Ramvac

COMPRESSOR

USER MANUAL

MODELS:
C3, C5, C8, C12 & C18



DENTALEZ

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PRODUCT OVERVIEW

This manual contains installation, operation, care and user service information for the Ramvac® dental compressor. To view the latest manual, go to *DENTALEZ.COM* to download a digital (PDF) copy.

The compressors with Aeras® Intel are designed to provide trouble-free service when installed, operated and cared for according to the procedures set forth in this manual. The compressors are NFPA 99 Healthcare Facility Code compliant.

To ensure proper installation, carefully read all the instructions contained in this manual prior to installing, operating, and servicing. For safety, pay close attention to all warnings, cautions, notices and notes.

Before starting installation procedures, review the illustration to become familiar with the components of the compressor *(FIGURE 1)*.

After the compressor is installed, review the features, operation procedures and care guidelines with the doctor's staff.

LEAVE THIS MANUAL IN THE DOCTOR'S OFFICE.

NOTICE

- Installation by an authorized Ramvac dealer service technician is recommended.
- For any questions about an order, please contact a Ramvac customer service representative at 866-DTE-INFO.

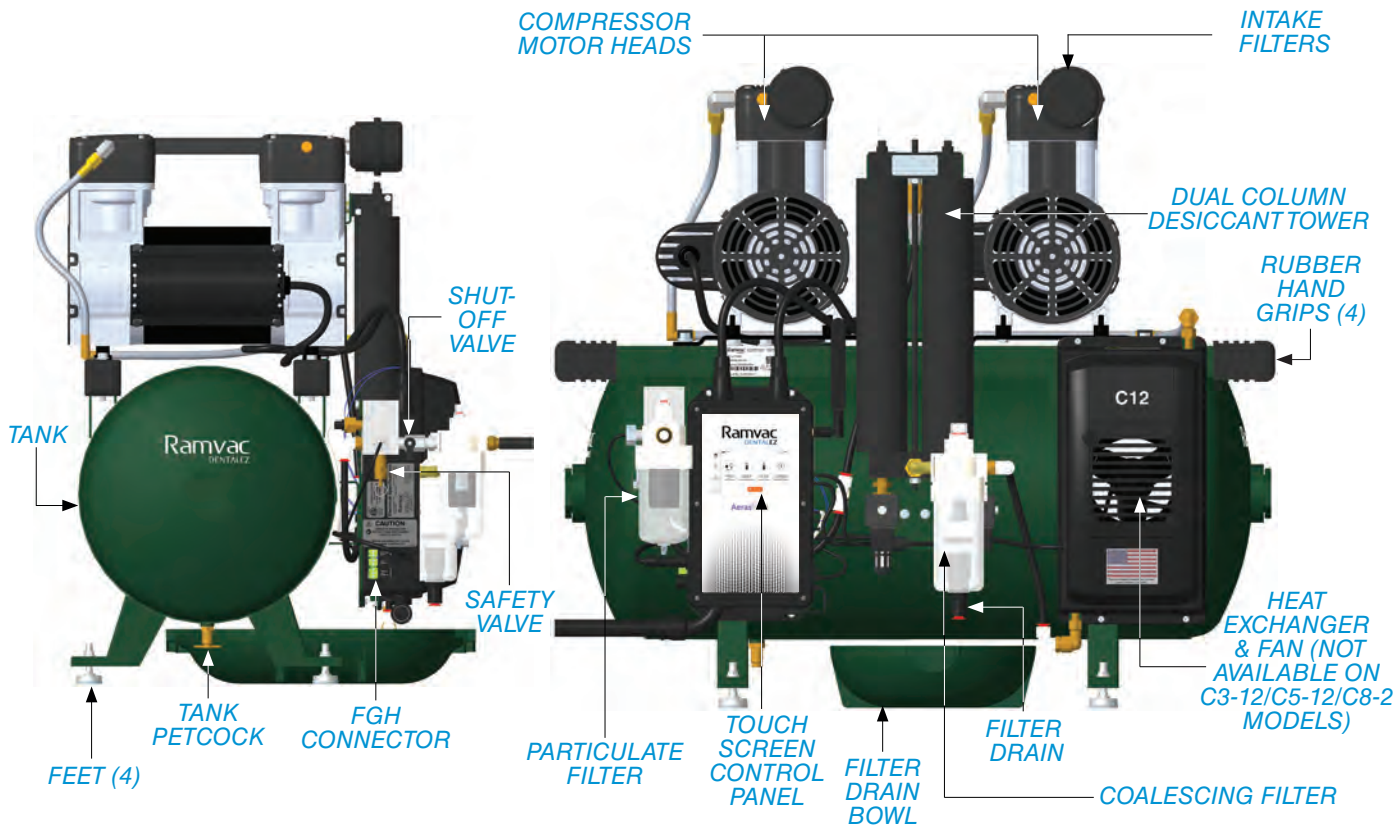


FIGURE 1. MAIN COMPONENTS OF THE COMPRESSOR (SIDE AND FRONT VIEWS)

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PRODUCT FEATURES

The Compressor by Ramvac® offers increased productivity while decreasing downtime. The compressor is dependable, quiet and simple to operate. In order to achieve the most efficient use in the operatory and understand what the compressor offers, here is a compilation of some of those features and benefits.

STANDARD FEATURES

- Features the latest cloud-based technology by Aeras® Intel (if equipped) that offers active monitoring with data streaming from embedded sensors. The smart monitoring service automatically detects potential issues and diagnostic information is relayed to the appropriate person, helping to prevent downtime. Information can be accessed via a web browser on any device. Users also can remotely schedule the equipment to power ON and OFF.
- Dual column desiccant tower provides 100% continuous supply of dry, clean air. While one column is drying, the other is in operation. Solenoid valve activates as needed and the chambers switch processes immediately to ensure an uninterrupted supply of air for your practice.
- Design allows for easy desiccant cartridge replacement.
- Stores air at -40°C, preventing growth of harmful bacteria.
- Industry leading 6-year warranty (see *LIMITED WARRANTY* section of this manual).
- Models available suited for 3 to 18 users.

OPTIONAL FEATURES

- Optional fresh air intake kit is used when room temperatures are beyond operating temperature range and/or when air has contaminants.
- Optional Sound Shield technology lowers decibel ratings and improves sound quality for Compressor models C3-12SS, C12-2SS and C18-2SS.

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COMPRESSOR



SPECIFICATIONS (COMPRESSOR)

	C3-12	*C5-12*	*C8-2*	*C12-2*	*C18-2*
Max Users	3	5	8	12	18
Voltage *(AC)*	115/230 (103-126/ 208-253)	115/230 (103-126/ 208-253)	230 (208-253)	230 (208-253)	230 (208-253)
Power Consumption *(Amps)*	12/6.1	17.6/9	16	21	30.5
Breaker Size *(Amps)*	15/15	20/15	20	30	40
Fusetron Size	FRN 15/10	FRN 20/15	FRN 20	FRN 25	FRN 40
Number of Motor Heads	2	2	3	2	3
HP Per Motor Head	.50	.75	.75	2	2
Pressure	85 PSI/586 kPa to 115 PSI/793 kPa with ± 2% Total Error Band				
High-Pressure Mode*	105 PSI/724 kPA to 125 PSI/862 kPA				
Weight *(lbs)*	136	128	155	230	335
Dimensions W×D×H *(in)*	30×21×26	30×21×27	30×21×27	35×25×30	41×29×32
Dimensions *(with Sound Shield)*	30×20×26	N/A	N/A	35×25×31	41×25×33
Pump Up Cycle Time, 85 to 115 PSI *(Sec)*	60	45	45	35	30
Tank Size *(Gal)*	12	12	12	20	30
Filtration *(microns)*	0.3 Coalescing; 0.01 Final Particulate				
Dryer Duty Cycle	100%				
Dryer Dew Point *(PDP)*	-40°F/-40°C				
dBA Levels *(with/without Sound Shield)*	63/67	69	70	75/79	75/79

NOTES: *High-pressure mode should only be used with a compatible milling machine; not for use in general dentistry.

SPECIFICATIONS (LTE RADIO)

The LTE radio of the DENTALEZ products use the U-blox SARA R410-02B LTE Cat M1* modem for use in North America.

*SARA-R4 series modules comply with the Directive 2011/65/EU of the European Parliament and the Council on the Restriction of Use of certain Hazardous Substances in Electrical and Electronic Equipment (EU RoHS 2) and its amendment Directive (EU) 2015/863 (EU RoHS 3). SARA-R4 series modules are RoHS 3 compliant. No natural rubbers, hygroscopic materials, or materials containing asbestos are employed.

ITEM	DESCRIPTION
Modulation	QPSK 16-QAM
Frequencies	Band 2 (1900 MHz) Band 4 (1700 MHz) Band 5 (850 MHz) Band 12 (700 MHz)
Power Class	Class 3 (23 dBm)
Radiation Pattern	Omnidirectional antenna
Certifications	FCC ID: 2AEMI-BRN404 https://www.fcc.gov/oet/ea/fccid FCC Compliance Statement (e.g., products subject to Part 15): This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Operating Temperature	Normal operating temperature -20 to +65 C Extended operating temperature -40 to +85 C
Mounting	SMT
Power	Nominal 3.8V at: Minimum = 110 mA Average = 190 mA Peak during Tx = 500 mA

RECOMMENDED ENVIRONMENTAL CONDITIONS

TRANSPORTATION AND STORAGE

- Temperature range: -20°F to 165°F (-29°C to 74°C)
- Relative humidity range: 0% to 95%

INDOOR USE

- Altitude up to 9,000 ft (2,743 m)

OPERATION

- Temperature range: 35°F to 100°F (2°C to 38°C)
- Relative humidity range: 0% to 95%

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CLASSIFICATIONS

ETL CLASSIFIED
C ETL US
Intertek
4010684

Conforms to:
ANSI/AAMI STD ES60601-1:2005 (R2012)

Certified to:
CAN/CSA C22.2 NO. 60601-1-08

Complies with NFPA 99 Healthcare Facility Code.

Manufactured in a FDA registered
ISO 13485:2016 certified facility.

Ramvac compressors meet the most current and highest safety standards.

- Type of Protection Against Electric Shock: Class 1 Equipment.
- Degree of Protection Against Ingress of Water: IPXO.
- Flammable Gases: Equipment not suitable for use in the presence of a flammable anesthetic mixture with air, oxygen or nitrous oxide.
- Not intended for use in an oxygen rich environment.
- Mode of Operation: Continuous

EXPLANATION OF SYMBOLS & SIGNS

= Caution

= Warning

= Biohazard

= Warning - Dangerous Voltage

= Hot Surface

= General Mandatory Action

= Refer to Manual (Follow Instructions)

= Refer to Accompanying Documents

= Alternating Current

= Direct Current

= Protective Earth (Ground)

= Type B Applied Part

SN = Serial Number

= Manufacture Date

= Manufacturer

= Electromagnetic Radiation

= Box Must Remain Upright

= Do Not Place Box on Unlevel Surface

= Do Not Stack Box

= Box Contents Safe Temperature Range

= Box Contents Safe Humidity Range

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SAFETY PRECAUTIONS

To ensure that the safety potential of this equipment is achieved, make sure equipment is installed according to written instructions.

⚠WARNING

Do not modify this equipment without permission from Ramvac. Unauthorized modification will void the warranty and could result in serious injury. If this equipment is modified, appropriate inspection and testing must be conducted to ensure continued safe use of equipment.

Electrical shock could occur as a result of improper grounding. This product must be grounded according to NEC regulations and local codes.

- Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12") to any part of the compressor, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.
- Property damage and/or personal injury may result if directions are not followed or OEM parts are not used.
- Always turn off compressor and remove power from compressor when servicing. (Turn off power at disconnect or service breaker.)
- Danger of fire or explosion when using flammable substances.
- Never leave children unattended when compressor is in use.

⚠CAUTION

- The compressor has several guards designed to protect against accidental contact with dangerous components. Do not remove these guards until power has been disconnected/turned off from the equipment. If service is required with the guard removed and the power on, it should only be performed by a qualified service technician. Always replace any guards that have been removed for service or that may have been damaged.
- During installation, always ensure all electrical, plumbing or other utilities are properly located to avoid possible tripping or falling hazards. Always follow all local, state and national building codes, as well as any applicable workplace safety regulations.
- Use of a plug for electrical service is not recommended. Incorrect connections will cause a drop in line voltage and/or loss of power. Overheating could result.
- Connect only equipment suitable for listed maximum pressure of the compressor.
- The EMISSIONS characteristics of this equipment make it suitable for use in industrial areas and hospitals (CISPR 11 class A). If it is used in a residential environment (for which CISPR 11 class B is normally required) this equipment might not offer adequate protection to radio-frequency communication services. The user might need to take mitigation measures, such as relocating or re-orienting the equipment.

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SAFETY PRECAUTIONS (CONTINUED)

NOTICE

Medical electrical equipment needs special precautions regarding electromagnetic (EMC) compatibility and needs to be installed according to EMC information. (See *EMC INFORMATION* provided in this manual.)

- The use of accessories, transducers, and cables other than those specified, with the exception of transducers and cables sold by the manufacturer of this device as replacement parts for internal components, may result in increased emissions or decreased immunity of the compressor.
- Portable and mobile radio frequency (RF) communications equipment can affect medical electrical equipment.
- There may be an instance, in low humidity environments, that the user of the dental compressed air system may cause the compressor to stop as a result of electrostatic discharge (ESD) energy. To remedy this issue, cycle the ON/OFF switch on the side of the control.
- An air leakage test should be conducted on the facility air system to ensure no air leaks are present. Excessive air leakage will impact the performance and life expectancy of your compressor. See *SECTION V - CARE & MAINTENANCE > TEST FOR AIR LEAKS* instructions provided in this manual.

PACKAGING

WARNING To prevent tipping during transport, securely fasten unit to shipping pallet until final destination has been reached.

TOOLS REQUIRED

- 7/16" Wrench

UNPACKING COMPRESSOR CARTON

1. Carefully remove the shipping carton from the pallet containing the compressor.
2. Visually inspect the entire compressor for any shipping damage.
   - Visually inspect the motor isolator mounts for tearing.
   - If shipping damage is found, immediately contact the freight carrier and supplier.
3. Using a 7/16" wrench, remove the nuts that secure the compressor to the shipping pallet.
4. For easier handling, four rubber grips have been installed on the frame of the compressor for lifting *(FIGURE 2)*.

NOTE: *Lifting the compressor assembly by any other part or location could result in damage to the compressor.*

5. Verify additional parts shipped with the compressor for use at installation:
   - Outlet Plumbing Kit
   - Filter Drain Kit/Purge Bowl
   - Feet Kit
   - Doctor's Packet
   - Maintenance Chart and Head Service Kit
   - Low-voltage Wiring Connectors (Installed on Control)



FIGURE 2. RUBBER GRIPS (4) FOR LIFTING COMPRESSOR

NOTE: *The compressor is shipped with the shut-off valve in the CLOSED position to limit exposure of the system to humidity. OPEN the valve after installation.*

PLACEMENT

⚠WARNING DO NOT install on surfaces with more than a 5° incline.

⚠CAUTION The compressor is front heavy. When moving with handles, be sure to hold it securely to prevent it from tipping and possible dropping of the device, which could result in damage to the compressor.

- This device must not be stacked during transport and storage and must be oriented right side up during transport and storage.
- The compressor unit should not be used adjacent to or stacked with other equipment. If adjacent or stacked use is necessary, the compressor should be observed to verify normal operation in the configuration in which it will be used.
- Locate the compressor on a level hard surface capable of supporting the compressor weight. If a level surface is not available, the compressor is equipped with height adjustable feet to level the device. Install four adjustable rubber feet supplied to ensure unit stands firmly on the floor (see *SECTION III - INSTALLATION > FEET KIT*).



- Floors should be wood, concrete or ceramic tile. It is highly recommended that a higher than 30% relative humidity be established and the operator wear a ground strap before physical contact is attempted.
- Compressor is for indoor use only, in a dust free, climate controlled room.
- DO NOT install in a enclosed area where ambient temperature could exceed temperature specifications of below 35°F (2°C) or above 100°F (38°C) while the compressor is running.
- Maintain minimum 12" clearance on all sides and on top of all compressors.
- A source of conditioned fresh air is required for safe operation of this compressor. The air source must be located outside of the utility room and away from potential air contaminants.
- Do not locate this device or it's air intake opening in an area that is prone to flooding or has previously flooded. Water can damage components, reduce life expectancy of the compressor or cause serious personal injury.

SITE REQUIREMENTS

Before the compressor can be properly installed, the following utilities must be supplied.

ELECTRICAL

- A licensed electrician should always complete the electrical portion of the installation process. This device requires proper electrical grounding for safe operation.
- Follow NEC, NFPA 99C, and all local codes.
- Compressors are shipped with a 6-foot electrical whip of the appropriate size for the compressor.
- Qualified personnel must install a dedicated electrical circuit of sufficient capacity. See *SECTION I - INTRODUCTION > SPECIFICATIONS (COMPRESSOR)* in this manual for additional electrical information.
- Any means provided to isolate this device from the supply mains shall isolate all poles simultaneously.
- The disconnection means and over-current protection are to be provided by the installer (qualified electrician) in accordance with applicable local and national electric codes. This device should always be attached to a dedicated circuit with appropriate wiring and circuit protection. If this device is being installed as a replacement, always have a licensed electrician inspect the existing facility electrical and complete the electrical portion of the device installation.

⚠WARNING To avoid risk of electric shock, this equipment must only be connected to a supply mains with protective earth.

⚠CAUTION During the performance of any service procedures that may involve the disconnection of a ground wire, take extra precautions to verify the ground wire has been properly re-connected. Never leave a ground wire disconnected, since this can create a significant safety issue.

NOTICE This air compressor has been designed to operate within the following voltage ranges; 115V systems, 103 to 126V AC; 230V systems, 208 to 253V AC. Failure to provide sufficient voltage to this device could result in damage to electrical components and reduced service life.

PLUMBING

- Attach drain tubing to fitting on bottom of coalescing filter and direct it into floor drain for proper disposal of water. If floor drain plumbing is an issue, water can be disposed into the supplied purge bowl.
- Connect compressor air outlet to facility plumbing with provided supply hose (3/8" MPT × 3/8" MPT, 6 feet in length).
- Install particulate filter to the facility shut-off valve using plumbing kit connectors provided.
- Install fresh air manifold and connect fresh air intake kit supplied to external air source per NFPA 99C recommendations.
- This device should always be installed with the appropriate plumbing and fresh air intake systems. If this device is being installed as a replacement, always have a licensed plumber inspect the existing facility plumbing and complete the plumbing portion of the device installation.

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FEET KIT

TOOLS REQUIRED

- 7/16" Wrench
- 1/2" Wrench

PARTS INCLUDED

- Foot (4 Pieces)
- Flanged Nut (4 Pieces)



FOOT (4)



FLANGED NUT (4)

⚠WARNING

- Prior to starting this assembly, read, understand and follow the safety information and the assembly instructions in this user manual.
- Handles for lifting the compressor assembly are provided on each end of the device. Lifting the compressor assembly by any other part or location could result in damage to the compressor.
- The weight distribution of this compressor is unbalanced to the front of the device. Exercise care when lifting to avoid accidental tipping and possible dropping of the device, which could result in damage to the compressor or severe injuries to the installer.
- Compressor assemblies are very heavy and may require multiple people to safely lift. Prior to lifting, check the user manual for the weight of this model. Over-exertion could result in serious injuries to the installer.
- This procedure may not comply with all safety requirements of federal, state or local agencies or safety requirements of the installer's employer. If a conflict does exist, follow the requirements set forth by the other organizations.

ASSEMBLY

1. Remove the four nuts (7/16" wrench) from the bolts that secure the compressor legs to the wooden shipping pallet. At this point, the bolts can be removed from the legs and the compressor can be removed from the pallet. Do not attempt to install the feet while the compressor is on the pallet; tipping of the pallet and subsequent loss of control may occur.
2. Lift one end of the compressor using the integrated handles and place blocking under the end of the tank to support the compressor. Be careful not to damage the drain valve under the center of the tank. Never work under a compressor that is not supported with adequate blocking *(FIGURE 3)*.

(Continued on the next page.)



FIGURE 3. BLOCK THE COMPRESSOR TANK TO INSTALL FEET

FEET KIT (CONTINUED)

(Continued from the previous page.)

3. Thread feet into the two elevated legs from the bottom side of the leg.
4. Adjust each foot to approximately the same height, then thread a flanged nut (flange side toward the leg) onto each foot *(FIGURE 4)*.

***NOTE:** It is not necessary to tighten the flanged nuts at this time. The feet will require further adjustment once the compressor has been placed in its permanent location in the utility room.*

5. Lift the compressor and remove the blocking from under the tank end. Repeat steps 2 through 4 for the opposite end of the compressor.



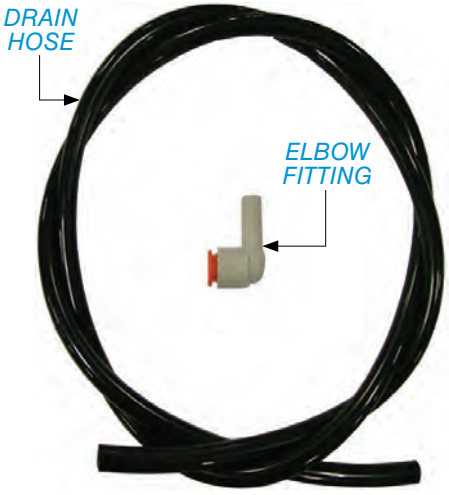
FIGURE 4. INSTALL FLANGED NUT

6. After the compressor is in its permanent location in the utility room, adjust each foot using a 7/16" wrench until the compressor is setting level. After adjusting the feet, tighten the flanged nut with a 1/2" wrench to lock the foot into position.

FILTER DRAIN KIT

PARTS INCLUDED

- Drain Hose
- Elbow Fitting



⚠WARNING

- Prior to starting this assembly, read, understand and follow the safety information and the assembly instructions in this user manual.
- The bowl on the coalescing filter assembly is under high pressure while the system is running. Allow the compressor to stop running and release the pressure prior to removing the bowl. Failure to allow the system to properly de-pressurize could result in severe injuries.
- Always disconnect the compressor from the electrical power source prior to conducting any maintenance or service of the equipment. The compressor could start unexpectedly, resulting in possible injury to the service technician.
- This procedure may not comply with all safety requirements of federal, state or local agencies or safety requirements of the installer's employer. If a conflict does exist, follow the requirements set forth by the other organizations.

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FILTER DRAIN KIT (CONTINUED)

ASSEMBLY

1. To help in determining the routing of the drain hose, read the following tips on proper installation.
   - The connection at the bottom of the coalescing filter is designed to work with either the elbow fitting or the 3/8" hose provided in the kit, depending on space constraints in the utility room.
   - The drain hose will require a steady downward slope to the drain.
   - Never route the drain hose assembly across traffic areas in the utility room. This could create tripping or falling hazards that could result in injury to personnel.
2. The connections for installing the filter drain are a “push-to-connect” style of fitting and do not require any tools to install. After determining proper routing, simply insert either the hose end or the elbow fitting into the fitting on the bottom of the coalescing filter bowl. Apply light force until the item stops. Gently pull the opposite direction on the hose or fitting to determine if they have properly seated into the connection. If the fitting or hose comes out with light force, then the hose was not fully seated into the connection and can be re-inserted again.
3. If, for some reason, the fitting or hose needs to be released from the connection, depressing the colored plastic ring (while gently pulling on the hose or fitting) releases the hose or fitting from the connection *(FIGURE 5)*.

NOTE: *If drain plumbing is not accessible, the supplied purge bowl can be used instead to catch disposal water. The water should be manually emptied daily.*

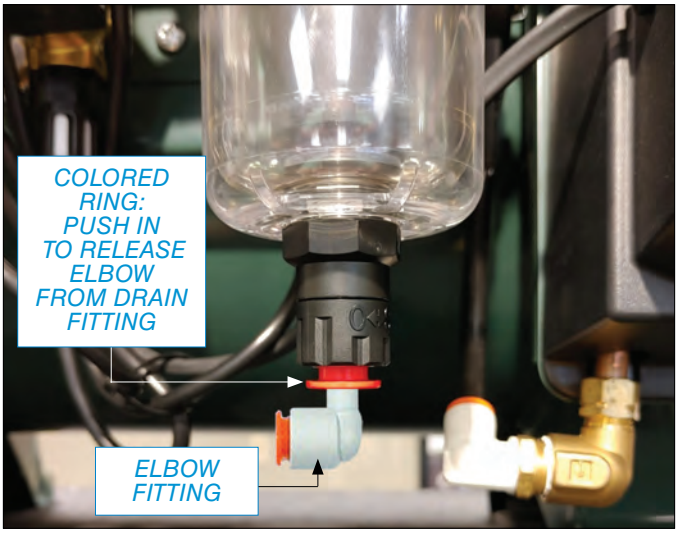


FIGURE 5. ELBOW FITTING INSTALLED IN COALESCING FILTER DRAIN

MAINS VOLTAGE

All Compressor models are factoy set to run on 230 (208-253) volts mains power. Compressor models C3-12 and C5-12 are dual voltage capable and can run on 115 (103-126) volts or 230 (208-253) volts mains power.

⚠WARNING

- Prior to starting this assembly, read, understand and follow the safety information and the assembly instructions in this user manual.
- Always disconnect the compressor from the electrical power source prior to conducting any electrical service of the equipment. The compressor could start unexpectedly resulting in possible injury to the service technician.
- This procedure may not comply with all safety requirements of federal, state or local agencies or safety requirements of the installer's employer. If a conflict does exist, follow the requirements set forth by the other organizations.

MAINS VOLTAGE SWITCH (MODEL C3-12 ONLY)

Compressor model C3-12 is shipped from the factory pre-set to 230 volts. Before turning on power to the compressor, be sure the mains voltage switch is set to the proper voltage. If the facility mains power is 115 (103-126) volts, slide the mains voltage switch to 115 volts on each compressor head. If the facility mains power is 230 volts, verify the mains voltage switch is set to 230 (208-253) volts on each compressor head *(FIGURE 6)*.

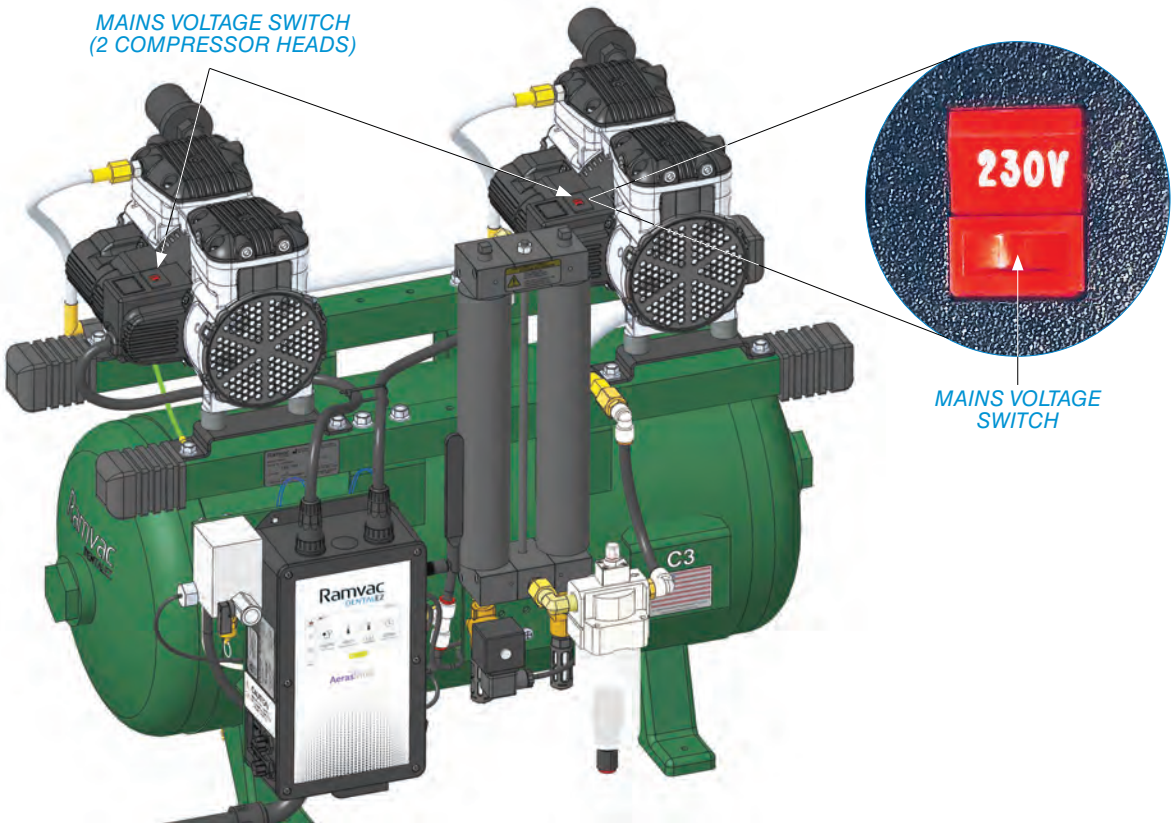


FIGURE 6. MAINS VOLTAGE SWITCH

MAINS VOLTAGE (CONTINUED)

MAINS VOLTAGE WIRING (MODEL C5-12 ONLY)

Compressor model C5-12 is shipped from the factory wired for 230 volts. Before turning on power to the compressor, be sure the compressor head is wired for the correct voltage. If the facility mains voltage is 230 (208-253) volts, the compressor head wiring does not need to be modified. If the facility mains voltage is 115 (103-126) volts, the compressor head wiring needs to be modified as follows:

1. Use 1/4" nut driver to remove four (4) screws (two (2) top and two (2) bottom) from compressor head capacitor cover. Retain for reinstallation *(FIG 7)*.

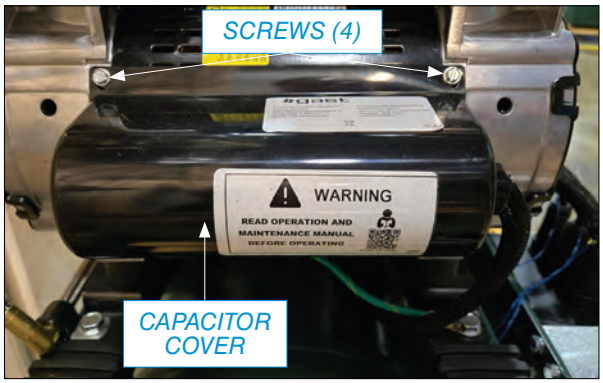


FIGURE 7. REMOVE SCREWS FROM CAPACITOR COVER

2. Rotate capacitor cover down. Note orientation of capacitor and foam piece(s) for reinstallation *(FIG 8)*.

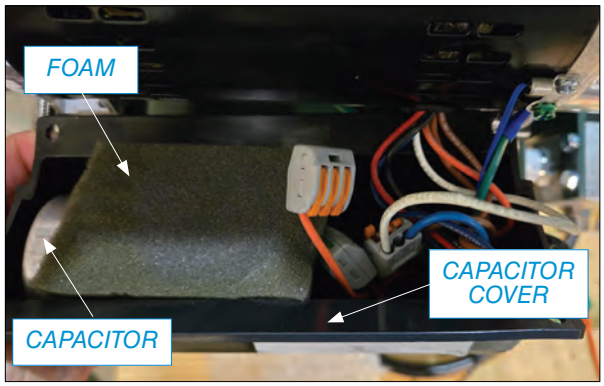


FIGURE 8. ROTATE CAPACITOR COVER DOWN

MAINS VOLTAGE (CONTINUED)

3. Rewire as shown on wiring diagram *(FIG 9A)*. *FIG 9B* shows (230 volt) wiring. *FIG 9C* shows (115 volt) wiring.
4. Reinstall capacitor cover to head using retained screws.

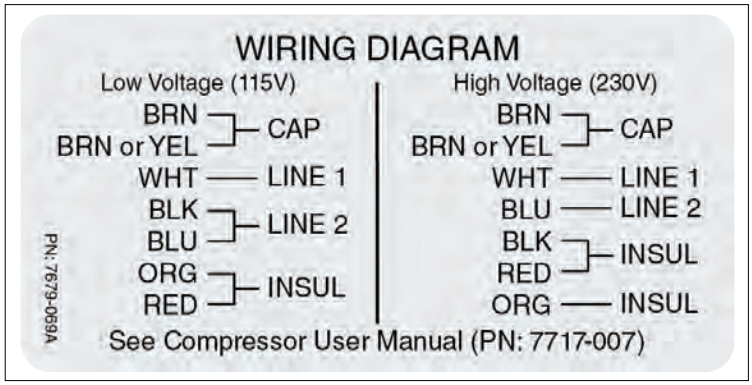


FIGURE 9A. WIRING DIAGRAM

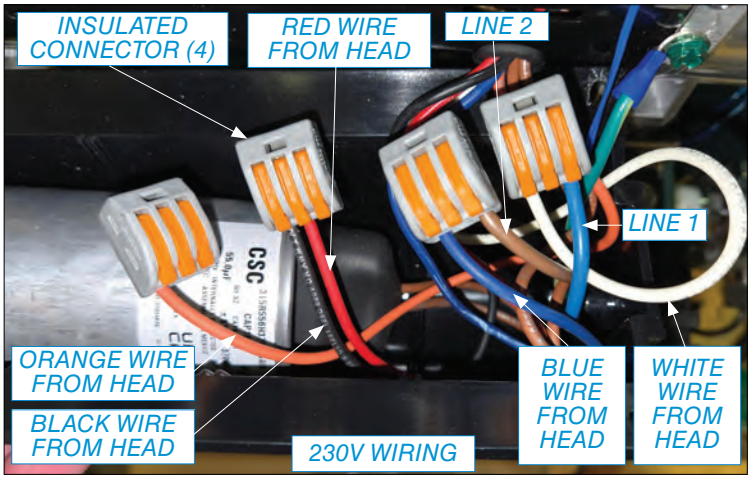


FIGURE 9B. 230V WIRING

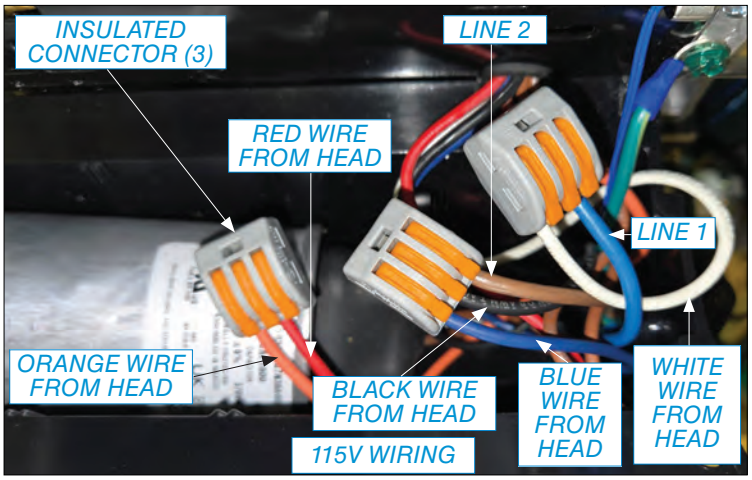


FIGURE 9C. 115V WIRING

LOW-VOLTAGE WIRING CONNECTIONS

⚠WARNING

- Prior to starting this assembly, read, understand and follow the safety information and the assembly instructions in this user manual.
- Always disconnect the compressor from the electrical power source prior to conducting any electrical service of the equipment. The compressor could start unexpectedly resulting in possible injury to the service technician.
- This procedure may not comply with all safety requirements of federal, state or local agencies or safety requirements of the installer's employer. If a conflict does exist, follow the requirements set forth by the other organizations.

PARTS INCLUDED

- Remote Switch FGH Connector - Used to control power state of this compressor from a remote location (see *SECTION III - INSTALLATION > LOW-VOLTAGE WIRING CONNECTIONS > LOW-VOLTAGE REMOTE SWITCHING*).
- Auxiliary Connector - Used to control power state of an alternate controller driven compressor, vacuum or master water control valve to this compressor (see *SECTION III - INSTALLATION > LOW-VOLTAGE WIRING CONNECTIONS > LOW-VOLTAGE AUXILIARY DEVICE CONNECTION*).
- Building Maintenance Connector - Used to connect to building maintenance system.



REMOTE SWITCH FGH CONNECTOR



AUXILIARY DEVICE CONNECTOR



BUILDING MAINTENANCE CONNECTOR

CONTROL PANEL CONNECTOR LOCATIONS

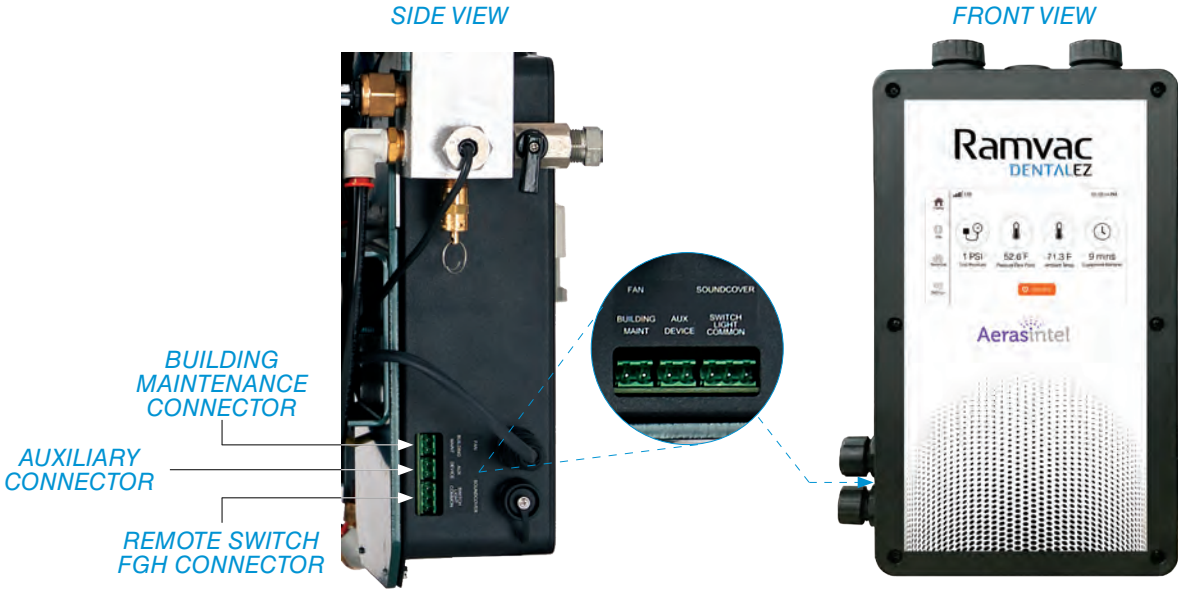


FIGURE 10. CONTROL PANEL LOW-VOLTAGE WIRING CONNECTIONS

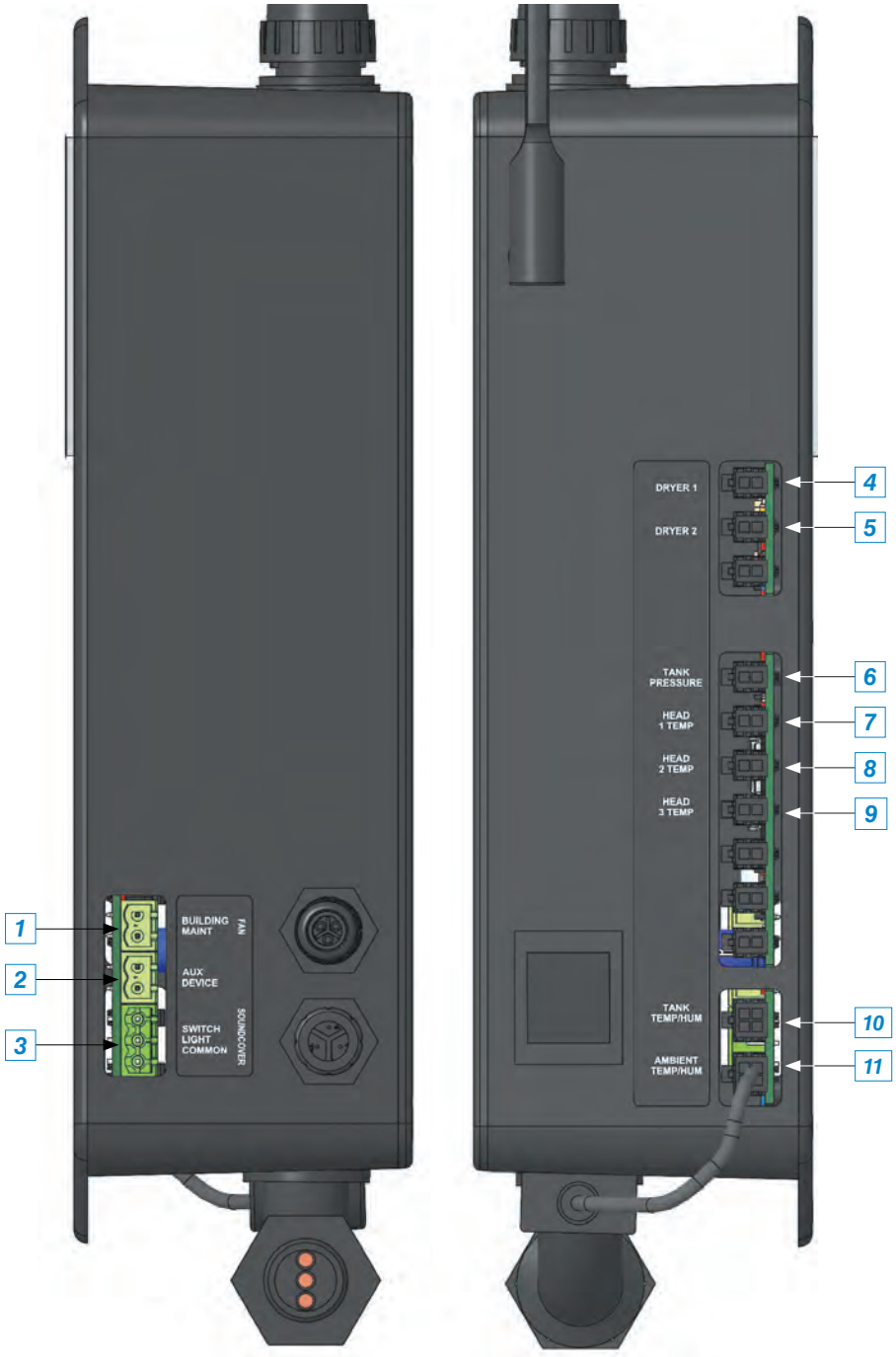
LOW-VOLTAGE WIRING CONNECTIONS (CONTINUED)

CONTROL PANEL CONNECTOR LOCATIONS

CONTROL BOX (LEFT SIDE VIEW)

CONTROL BOX (RIGHT SIDE VIEW)

CONTROL BOX (FRONT VIEW)





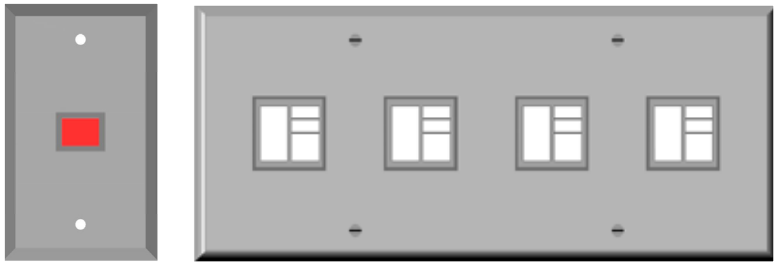
1. Building maintenance connector
2. Auxiliary device connector
3. Remote switch FGH connector
4. Dryer 1
5. Dryer 2
6. Tank Pressure (PSI/kPa)
7. Head 1 temperature
8. Head 2 temperature
9. Head 3 temperature
10. Tank temperature/humidity
11. Ambient temperature/humidity

LOW-VOLTAGE WIRING CONNECTIONS (CONTINUED)

LOW-VOLTAGE REMOTE SWITCHING

NOTICE Maximum wire length for 18-gauge wire is 500 feet.

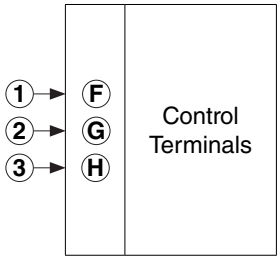
Low-voltage remote switching is used to turn the system on and off from a remote location. Your compressor is manufactured to continuously cycle as required throughout the workday. Power the compressor off at end of day.

ILLUMINATED REMOTE PANELS	NON-ILLUMINATED REMOTE SWITCHES
	
▪ Switch light is steady on when system is running normally. ▪ Switch light flashes for maintenance or one of the heads has been disabled by the disable button on the control panel.	▪ Non-illuminated switches provide no indication for system status.

Recommended Switching



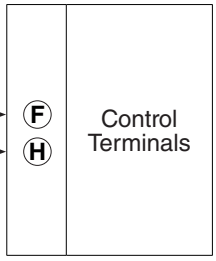
Ramvac Remote Panel (or Equivalent) with Illuminated 24V DC Switch

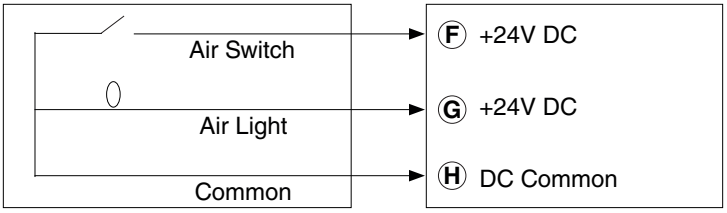


Alternative Switching



Toggle Switch or Other Non-Illuminated Switch (Option)





CONTROL PANEL



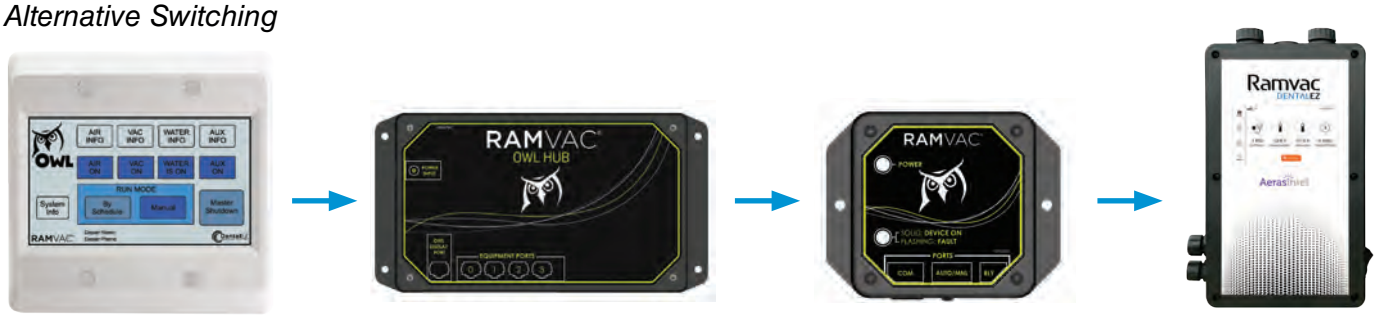
REMOTE SWITCH FGH CONNECTOR

(Continued on the next page.)

LOW-VOLTAGE WIRING CONNECTIONS (CONTINUED)

(Continued from the previous page.)

Alternative Switching



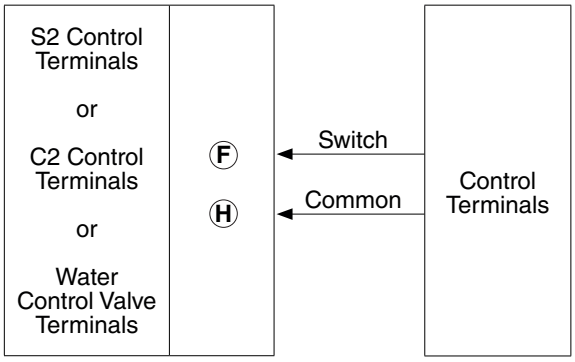
OWL Touch | OWL Hub | OWL Interface | Control Panel

LOW-VOLTAGE AUXILIARY DEVICE CONNECTION

NOTICE Maximum wire length for 18-gauge wire is 500 feet.

Low-voltage auxiliary connection is used to connect an alternate controller driven compressor, vacuum or master water control valve to this compressor. The auxiliary power state will match the power state of this compressor (ON/STANDBY).

Auxiliary Wiring





Ramvac

OUTLET PLUMBING KIT

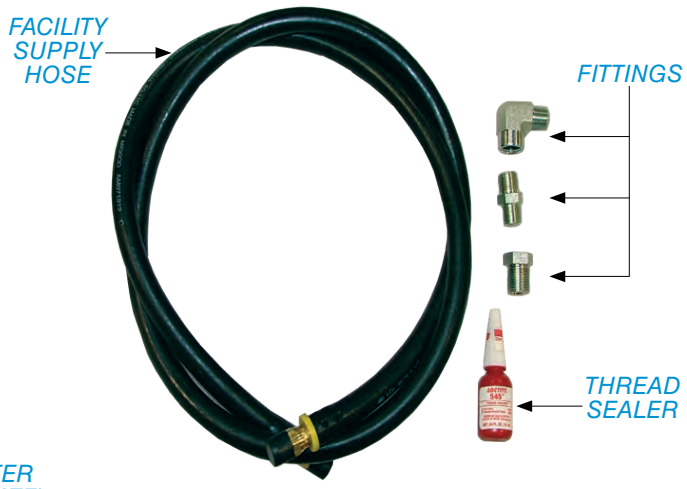
⚠WARNING

- Prior to starting this assembly, read, understand and follow the safety information and the assembly instructions in this user manual.
- Never route the facility supply hose across traffic areas in the utility room. This could create tripping or falling hazards that could result in injury to personnel.
- The compressor system may be pressurized; follow the discharge procedures in the user manual prior to conducting any repairs or maintenance. Working on pressurized components could result in severe injuries or even death. It is recommended any repairs or service be performed by a qualified service technician.
- When installing air lines in a new facility, always follow NFPA 99 standards (or local codes) and maintain cleanliness throughout.
- Prior to or during the replacement of compressors, always verify the cleanliness of the existing air lines in the facility. Old or malfunctioning compressors can cause unhealthy deposits of mold, dust or dirt.
- This compressor is designed for dental procedures and powering dental equipment and can be safely used in the oral cavity for such purposes. Under no circumstances should it be supplied or considered as medical/breathing air for a patient.
- Installation of this device should be conducted by licensed electrical and plumbing contractors and should always follow the instructions found in the various manuals, unless local state or national building codes specify otherwise. Failure to comply with all applicable codes and installation procedures may result in personal injury, damaged components or reduced life expectancy of this product.
- Never direct the air stream toward any portion of the body or others in the vicinity. Pressurized air streams can be extremely hazardous to your health and can result in death in certain circumstances.
- This procedure may not comply with all safety requirements of federal, state or local agencies or safety requirements of the installer's employer. If a conflict does exist, follow the requirements set forth by the other organizations.

PARTS INCLUDED

- Final Filter (Particulate)
- Facility Supply Hose
- Fittings
- Thread Sealer





DENTALEZ

OUTLET PLUMBING KIT (CONTINUED)

ASSEMBLY

1. Determine the best routing for the facility supply hose and the filter assembly. The filter can be mounted in two different directions, depending on the safest and easiest route for the hose *(FIGURE 11)*.

   Always use the hose assembly provided to connect the compressor to the facility airlines. If a longer hose is required, be certain the product used is rated to an adequate pressure level and is intended for compressed air systems.

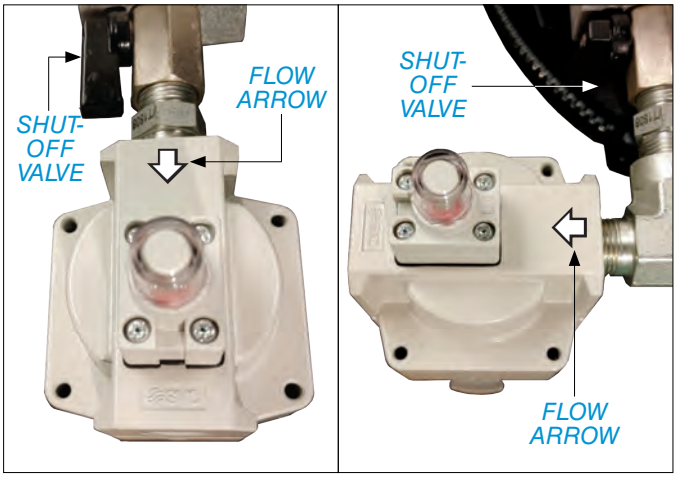


FIGURE 11. FILTER MOUNTING OPTIONS

2. Utilize the fittings provided to mount the filter assembly in the orientation determined in step 1. A small tube of thread sealer has been provided in the kit. Do not over-apply the thread sealer; just a couple of drops on the male threads of all the fittings will provide an adequate seal. Tighten fittings as needed.

3. Thread the final filter onto the fittings and tighten it into the desired position *(FIGURE 11)*.

   NOTE: *The final filter has to be installed in the correct flow orientation.*

4. Thread the facility supply hose into the final filter and tighten. Both ends of the hose have swivel fittings to make installation easier.

5. Attach the other end of the hose to the facility piping. The kit contains an adapter bushing to adapt the 3/8 pipe thread on the end of the hose to a 1/2 pipe thread on the facility piping if it is required.

6. Upon completion of the air compressor installation, always check to ensure the shut-off valve on the pressure manifold is in the open position.

7. After the system has been pressurized, perform the following checks: *(SECTION V - CARE & MAINTENANCE > TEST FOR AIR LEAKS)*

   - Check each joint for leaks using a soap and water mixture. Tighten any joints that may be leaking.
   - Check the facility plumbing for leaks, either by inspection or by completing a pressure decay test. Repair any leaks in the facility plumbing.

HOW THE SYSTEM WORKS

When power is applied, fresh air is taken in through air filters and compressed by the pump pistons. The compressed air is very warm and is cooled for use by the heat exchanger and fan. Air is then delivered to the coalescing filter to remove most of the moisture.

The coalescing filter is equipped with an automatic draining feature that allows the draining of the excess moisture. The cool air enters the desiccant-style dryer assembly to complete the moisture removal by removing 99.7% of the water vapor from the air.

Air is directed into the dryer (desiccant) cartridges, from one to the other, by electronically controlled solenoid valves. The timing for the solenoid valves is provided by the control.

While the air is moving through one cartridge, the desiccant in the other cartridge is being dried by air directed through an orifice in the outlet shuttle valve. This valve cycle will be noticeable by a short burst of air from the purge valves. The air is then collected in the tank where it is stored for future use.

The control panel LCD display shows the tank air pressure. When air is called for to run equipment in the facility, it goes through a particulate filter to remove any remaining particulates from the air.

The tank pressure is monitored by the control, using a pressure transducer sensor on the manifold block, which runs the motors on demand. Pressure is factory set from 85 PSI/586 kPa to 115 PSI/793 kPa.

GETTING STARTED

⚠WARNING Never direct the air stream toward any portion of the body or others in the vicinity. Pressurized air streams can be extremely hazardous to your health and can result in death in certain circumstances.

⚠CAUTION DO NOT attempt to operate the compressor at ambient temperature below 35°F/2°C or above 100°F/38°C.

The compressor is easy to operate and maintain.

1. Verify the compressor is connected to a dedicated circuit. For models C3-12 and C5-12, verify mains power switch voltage on each compressor head matches facility mains voltage *(SECTION III - INSTALLATION > MAINS VOLTAGE)*
2. Verify the compressor is properly connected to the facility plumbing and a fresh air source.
3. Verify the shut-off valve is closed.
4. For optimal signal strength, put the antenna (located on the right side of the control panel) in the upright (verticle) position.
5. Push the control panel power switch to the ON position.
6. To switch the compressor from STANDBY to ON, press the orange *STANDBY* switch on the *HOME* screen. The switch will turn green and display ON.
7. Test for leaks *(SECTION V - CARE & MAINTENANCE > TEST FOR AIR LEAKS)*.
8. Turn the shut-off valve to OPEN.
9. The compressor installation is complete.

NOTE: *Periodically during startup from 0 PSI, the dryer shuttle valve may be out of sync from the previous cycle. This is noted by the sound of air being released out of the dryer purge valves. This minor interruption causes no harm to the dryer or air system. The dryer shuttle valve will relocate itself to the correct position after 35 seconds, and after which the dryer will cycle normally.*

CONTROL PANEL

The compressor control platform utilizes state-of-the-art technology solid state relays to control cycling of the compressor. When the control panel is first turned on, a Privacy Policy screen will be shown. Press *ACCEPT* to consent and agree to the privacy policy and continue *(FIGURE 12)*. Compressor models C3-12 and C5-12 (dual voltage) will have an additional Voltage screen. Press *VERIFIED* after checking that the mains voltage switch or wiring on each compressor head matches the voltage on the screen *(FIGURE 12)*. If mains voltage does not match, see *SECTION III - INSTALLATION > MAINS VOLTAGE* to set proper voltage .

MAIN NAVIGATION MENU

HOME

- Tank Pressure
- Pressure Dew Point
- Ambient Temperature
- Equipment Runtime
- Update (only appears when a new firmware/software update is available)
- System Switch (ON/STANDBY)
- Alerts (when alerts are present)

INFORMATION

- Firmware Version
- Hardware Version
- Brand
- Model
- Serial Number
- DentalEZ Support Contact Number
- Service Provider Contact Number

TECHNICAL

- Maintenance Mode Switch
- Alerts
- Motors
- Sensors
- Tandem (Web App Enabled)
- Runtimes
- Network
- Advanced
- Service (Maintenance Mode ON)

SETTINGS

- Smart Schedule Switch
- Metric Display Switch
- Schedule
- Date & Time
- Restore System Defaults (Reset)

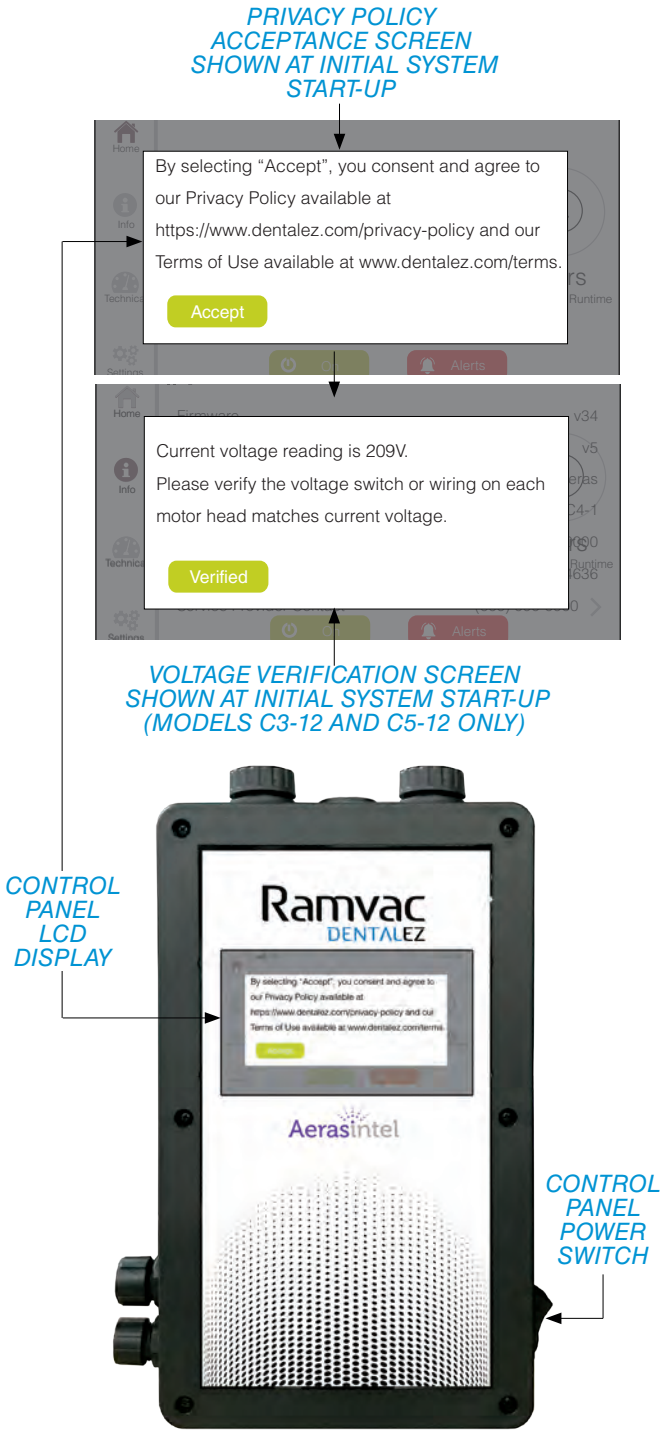


FIGURE 12. COMPRESSOR CONTROL PANEL

HOME SCREEN

The control panel LCD display uses simple touch controls and is easy to navigate. The Home screen of the control panel displays the following information *(FIGURE 13)*:

- Main navigational menu links: *HOME, INFO, TECHNICAL, and SETTINGS*
- Wireless signal strength indicator (for detailed wireless status, go to *TECHNICAL > MAINTENANCE MODE > NETWORK*)
- Time of day (to set/reset time, go to *SETTINGS > DATE & TIME >*)
- Tank pressure reading (normal reading is 85 PSI/586 kPa to 115 PSI/793 kPa)*
- Pressure dew point reading*
- Ambient temperature reading*
- Equipment runtime reading
- *UPDATE* (only appears when a new firmware/software update is available)
- *SYSTEM* switch (ON/STANDBY)

***NOTES:** * Temperature (°F) and pressure (PSI) can be set to view in metric mode (°C and kPa) by going to SETTINGS > METRIC DISPLAY SWITCH).*

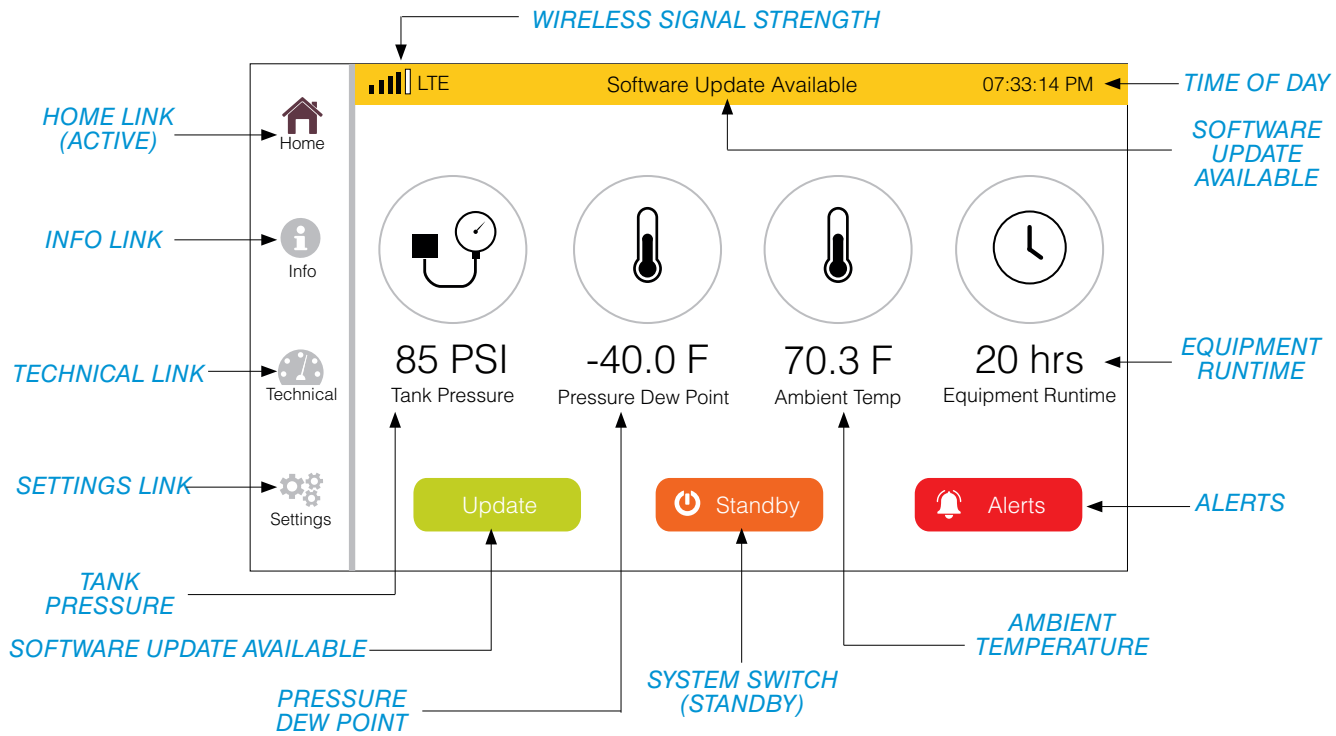


FIGURE 13. HOME SCREEN

HOME SCREEN (CONTINUED)

SYSTEM SWITCH (ON/STANDBY)

While performing maintenance operations on the compressor, the system should be in STANDBY mode. Motor heads of the compressor will not run while in this mode. The compressor may also be in kept in STANDBY mode during extended periods of non-use in order to conserve energy.

To switch the compressor system from STANDBY mode to ON, from the Home screen, press the orange *STANDBY* switch. The switch will turn green and display ON. Pressing the green *ON* switch will return the compressor to STANDBY mode *(FIGURE 14)*.

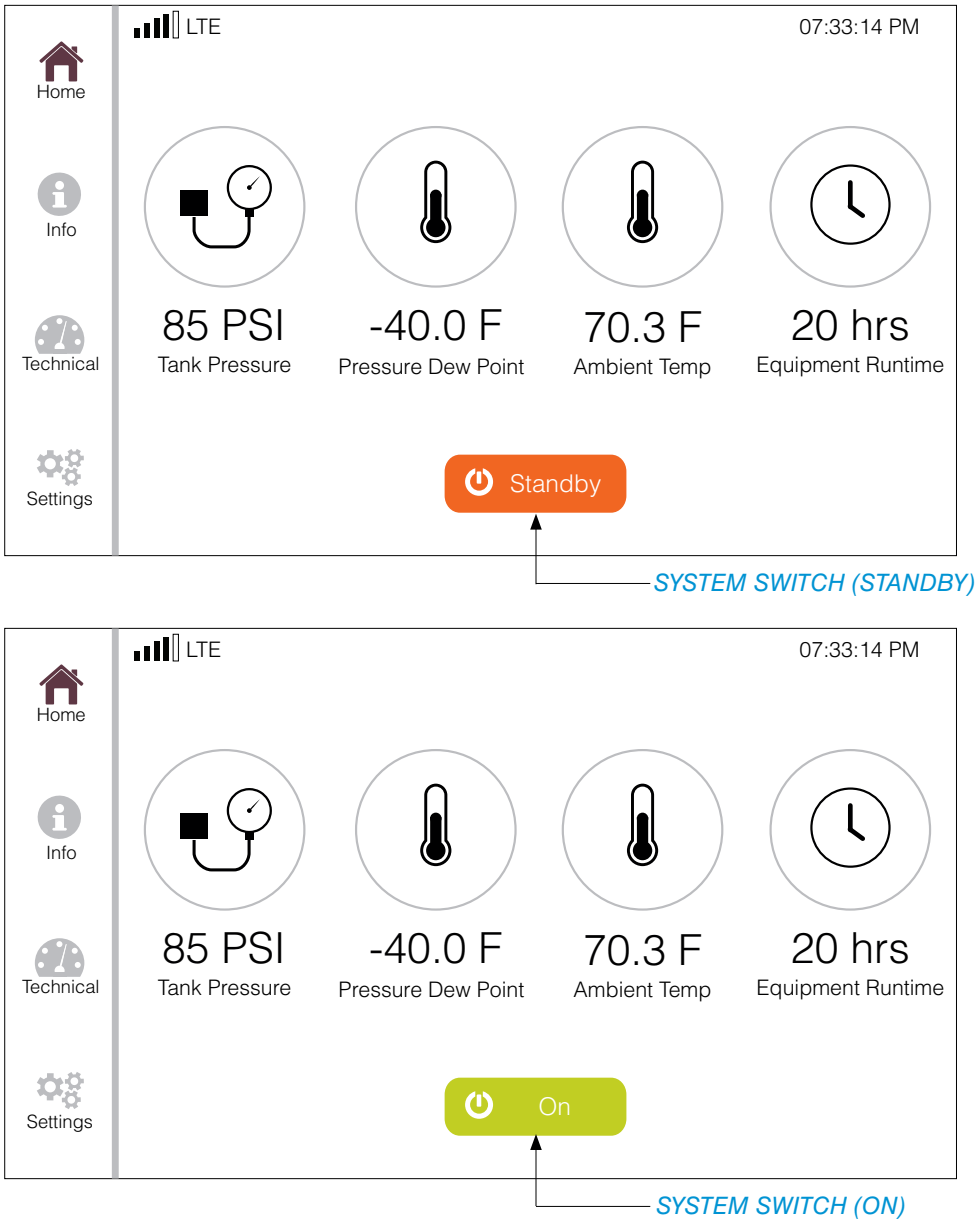


FIGURE 14. HOME SCREENS SHOWING SYSTEM IN "STANDBY" AND "ON"

HOME SCREEN (CONTINUED)

UPDATE (SOFTWARE)

When a new firmware/software version has been released and is ready to download and install, a green *UPDATE* button will be shown on the Home screen. To update the software, press the green *UPDATE* button. This will open a new screen asking to install the pending update. Pressing *OK* will start download and installation of software. Pressing *CANCEL* will cancel the software update and return to the Home screen *(FIGURE 15)*.

If the *UPDATE* button is not pressed, the update will occur automatically overnight.

NOTE: *The device may be inoperable during the update to the software.*

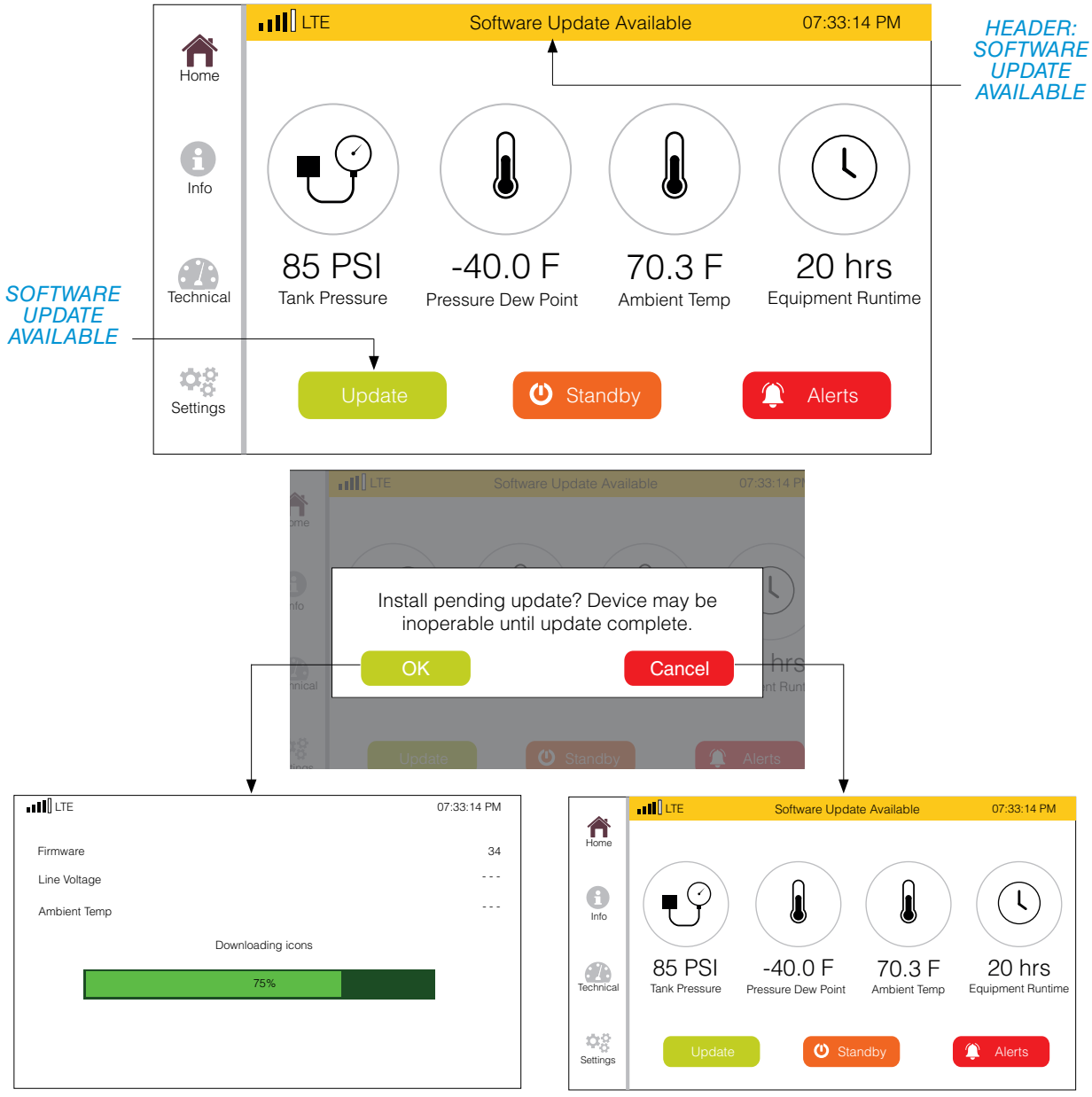


FIGURE 15. HOME SCREEN SHOWING SOFTWARE UPDATE AVAILABLE

INFORMATION SCREEN

The Information screen of the control panel displays the following information *(FIGURE 16)*:

- Main navigational menu links: *HOME*, *INFO*, *TECHNICAL*, *and SETTINGS*
- Wireless signal strength indicator
- Time of day
- Firmware (current version of software installed)
- Hardware (current version of hardware installed)
- Brand (Ramvac)
- Model of compressor (C3-12, C5-12, C12-2, etc.)
- Serial Number of the compressor (set at factory)
- DENTALEZ Support Contact phone number (set at factory)
- Service Provider Contact phone number (set manually by user)
- *SERVICE PROVIDER CONTACT* phone number screen link

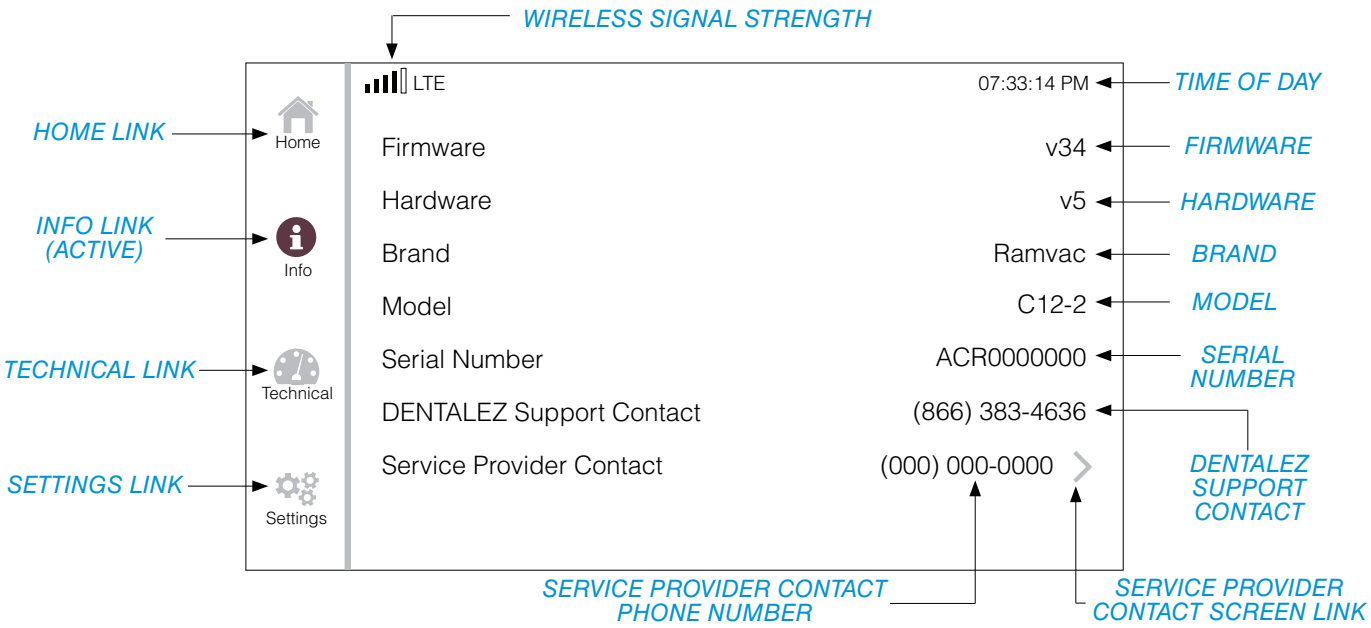


FIGURE 16. INFORMATION SCREEN

INFORMATION SCREEN (CONTINUED)

SERVICE PROVIDER CONTACT

To manually enter the service provider contact phone number, on the Info screen, press *SERVICE PROVIDER CONTACT > (FIGURE 17)*.

This will open a new screen for entering the service provider's phone number. Using the numeric key pad, enter the phone number (area code included) and press *SAVE* key *(FIGURE 18)*.

Press *< INFO* to return to the previous screen.

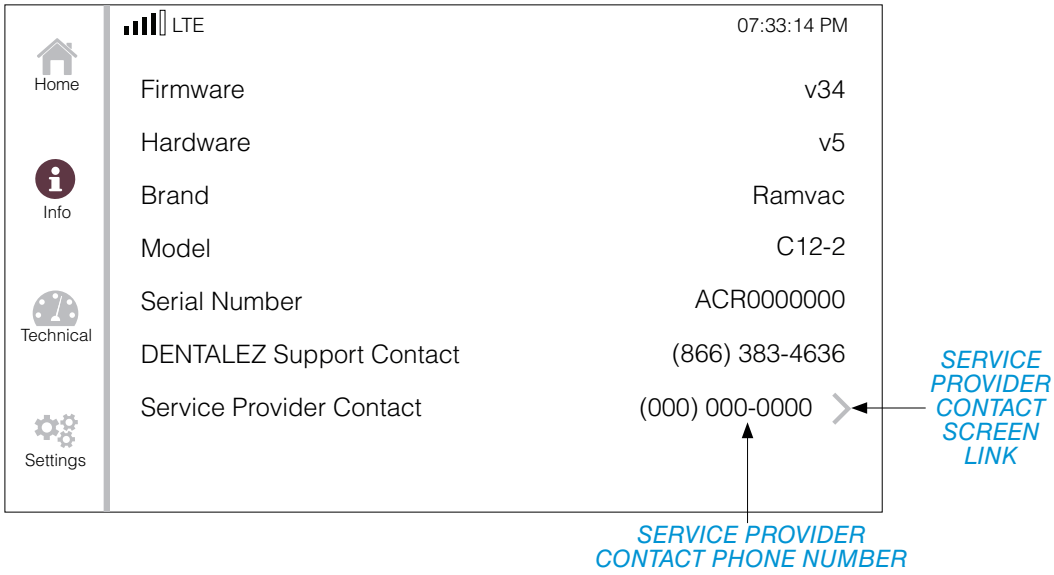


FIGURE 17. ON THE INFO SCREEN, PRESS SERVICE PROVIDER CONTACT >

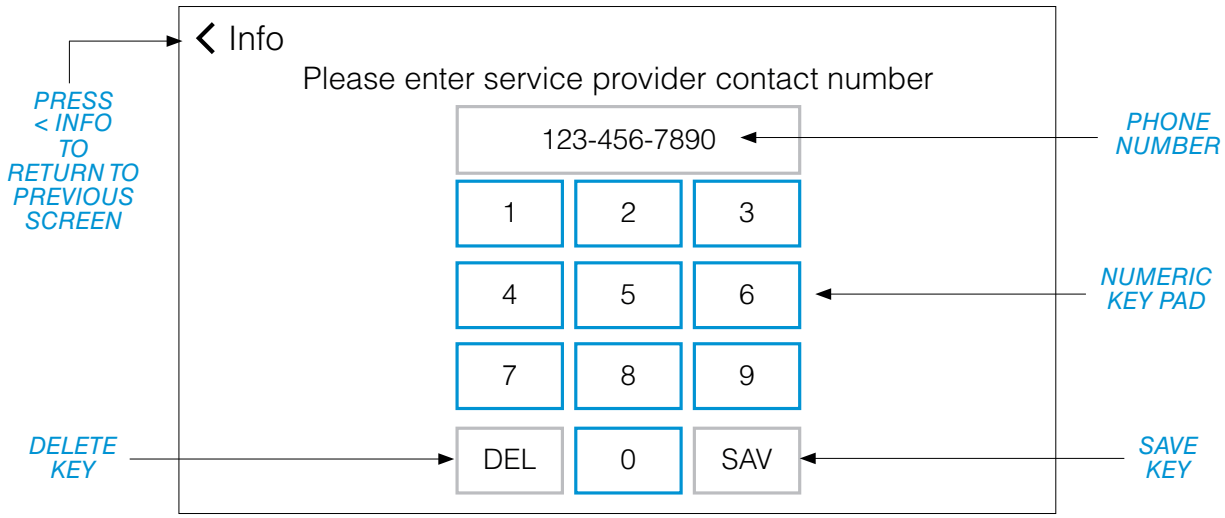


FIGURE 18. ENTER PHONE NUMBER AND PRESS SAVE KEY

TECHNICAL SCREEN

The Technical screen of the control panel displays the following information *(FIGURE 19)*:

- Main navigational menu links: *HOME*, *INFO*, *TECHNICAL*, *and SETTINGS*
- Wireless signal strength indicator
- Time of day
- *MAINTENANCE MODE* switch
- *ALERTS* screen link
- *MOTORS* screen link
- *SENSORS* screen link
- *TANDEM* screen link (Web app enabled)
- *RUNTIMES* screen link
- *NETWORK* screen link
- *ADVANCED* screen link
- *SERVICE* screen link (Maintenance Mode ON)

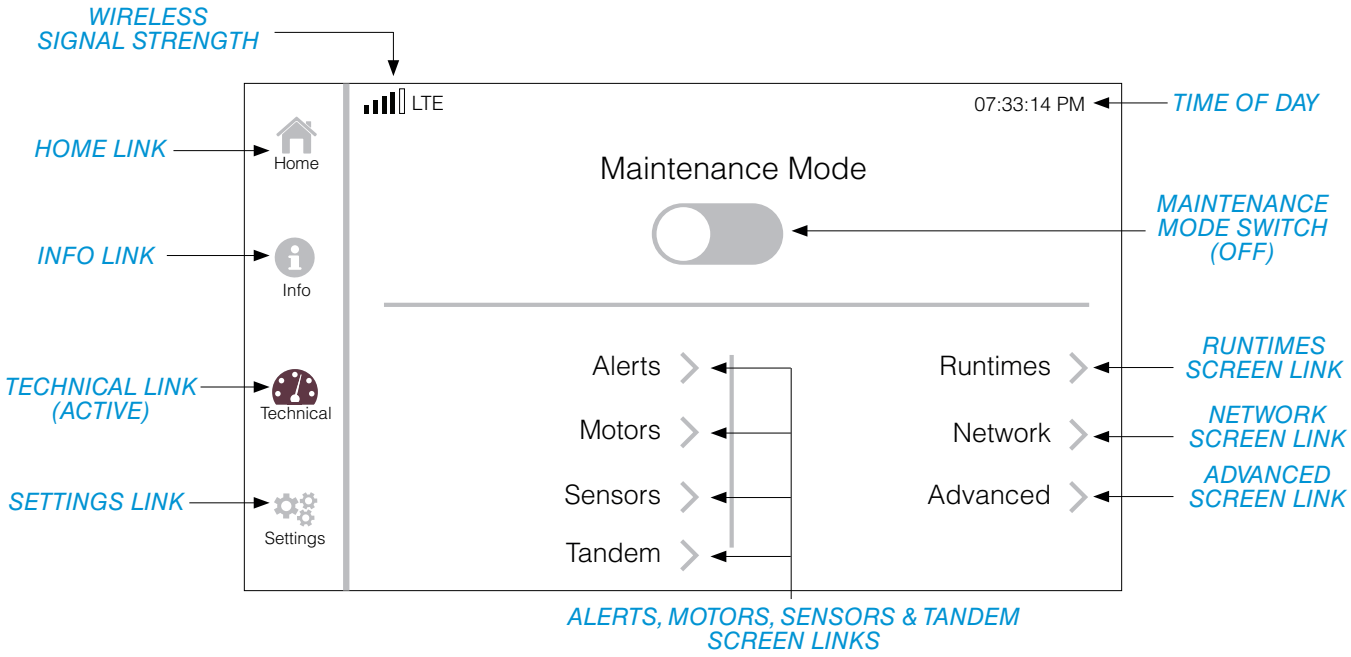


FIGURE 19. TECHNICAL SCREEN

TECHNICAL SCREEN (CONTINUED)

ALERTS

To view the Alerts screen, on the Technical screen, press *ALERTS >*. This will open a new screen for viewing system alerts. After viewing alert message, press message to dismiss it *(FIGURE 20)*.

Press *< TECHNICAL* to return to the previous screen.

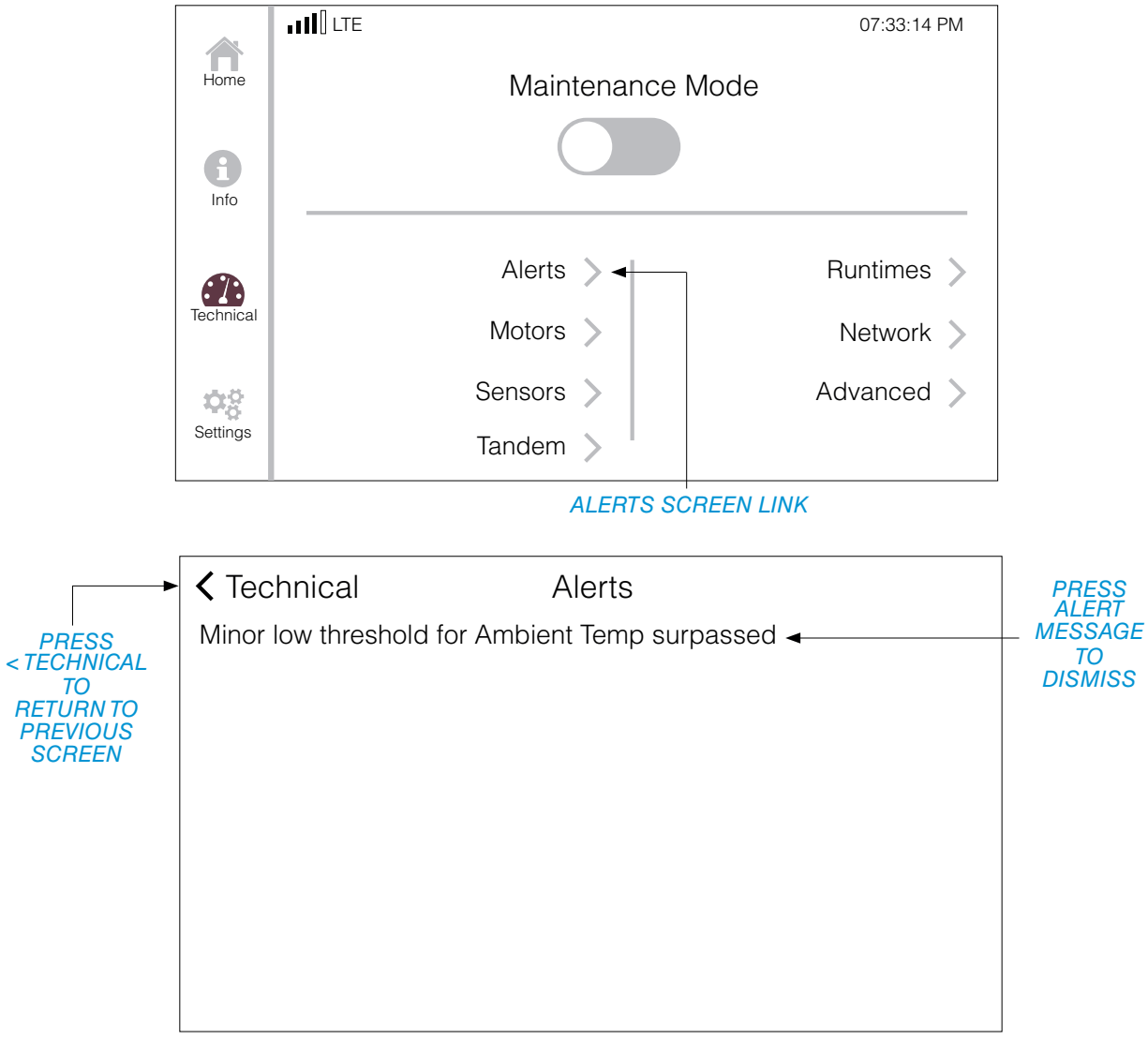


FIGURE 20. ALERTS SCREEN

TECHNICAL SCREEN (CONTINUED)

MOTORS

To view the Motors screen, on the Technical screen, press *MOTORS >*. This will open a new screen for viewing the status of each motor *(FIGURE 21)*.

Press *< TECHNICAL* to return to the previous screen.

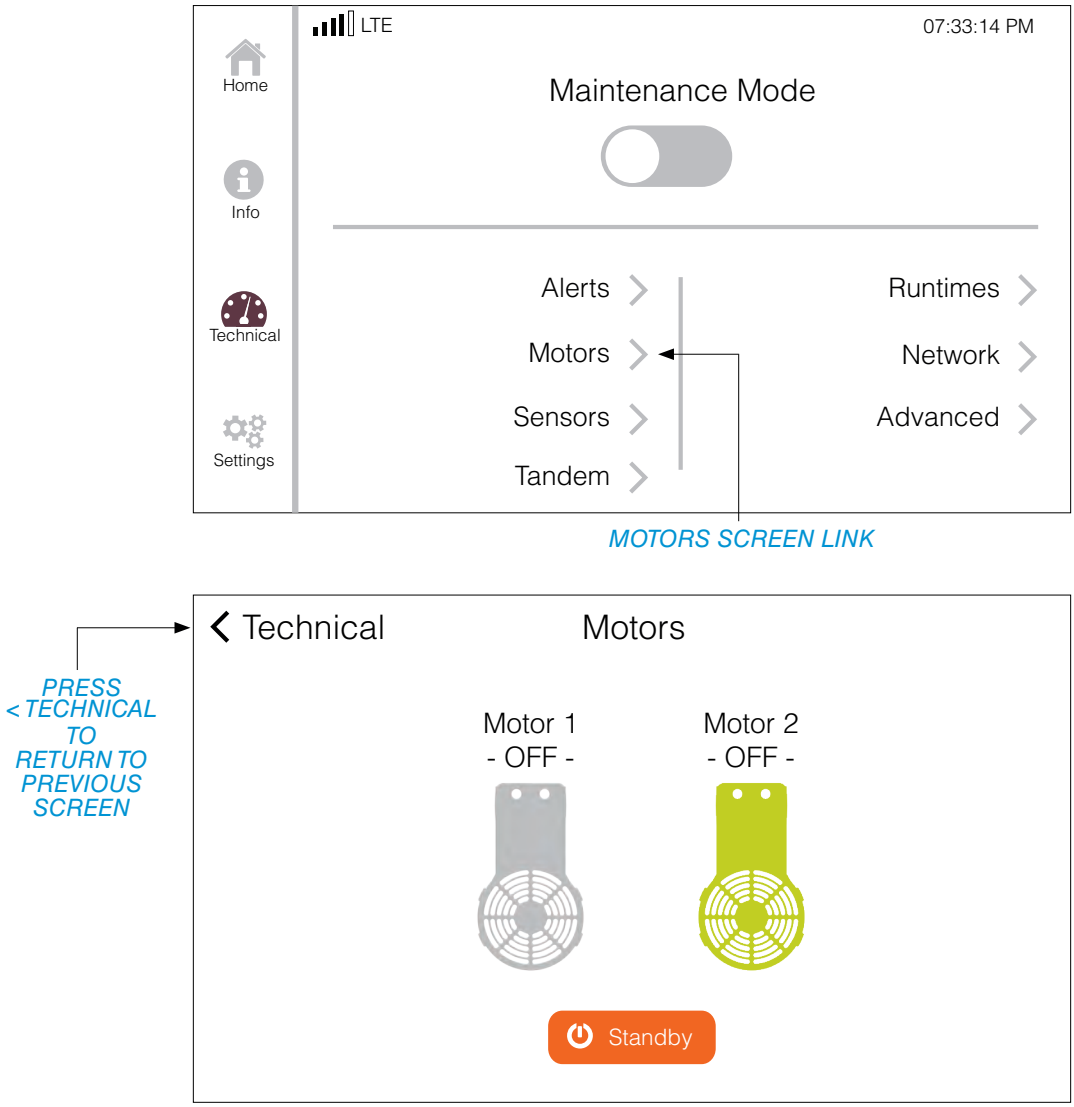


FIGURE 21. MOTORS SCREEN

TECHNICAL SCREEN (CONTINUED)

MOTORS (ON/STANDBY)

To switch the compressor system from STANDBY mode to ON, on the Motors screen, press the orange *STANDBY* switch. The switch will turn green and display ON. Pressing the green *ON* switch will return the compressor to STANDBY mode *(FIGURE 22)*.

The motors can be individually enabled or disabled by pressing the motor icon on the screen. The GRAY motor icon indicates that the motor is DISABLED and the GREEN motor icon indicates that the motor is ENABLED.

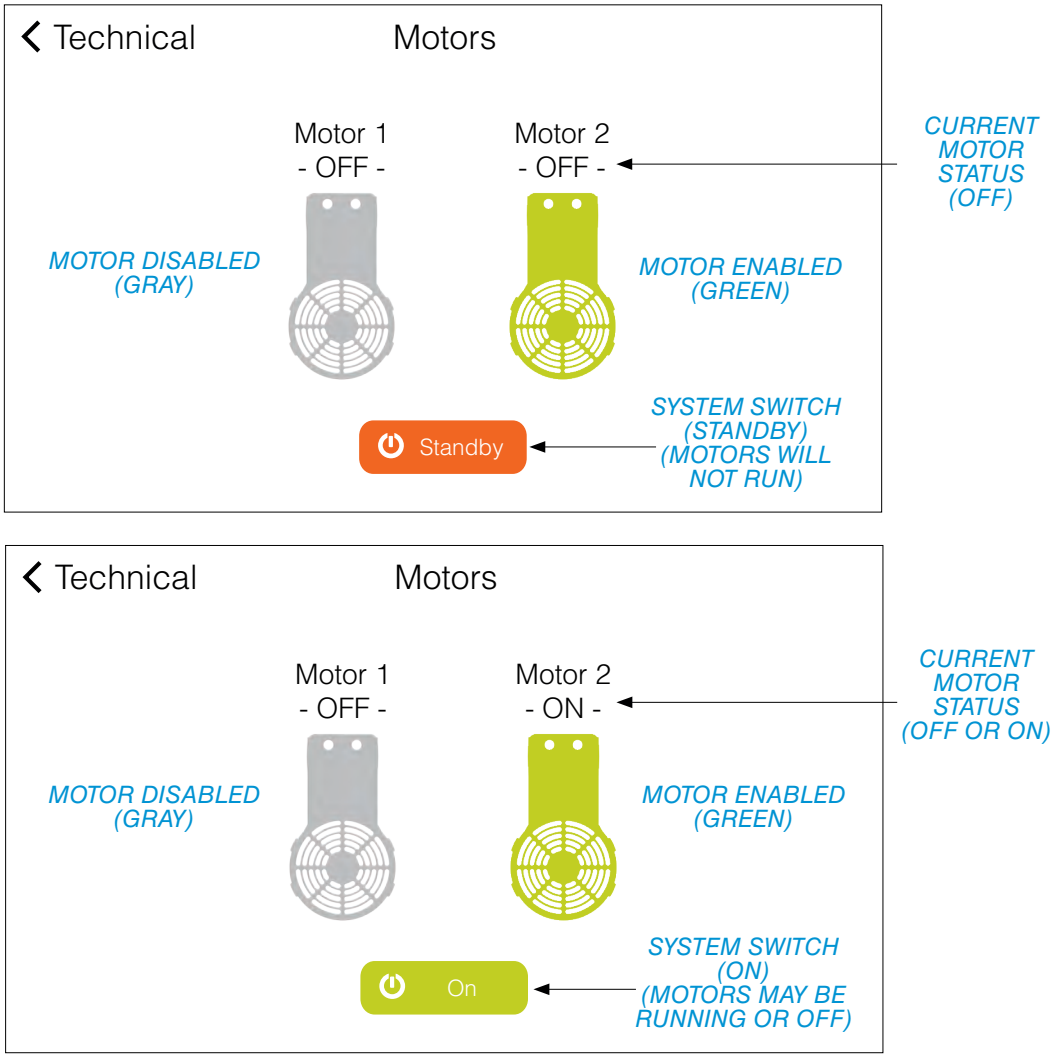


FIGURE 22. MOTORS SCREEN (STANDBY AND ON)

TECHNICAL SCREEN (CONTINUED)

SENSORS

To view the Sensors screen, on the Technical screen, press *SENSORS >*. This will open a new screen for viewing the sensors readings. Press the scroll bar located on the right to move the screen up and down *(FIGURE 23)*.

Press *< TECHNICAL* to return to the previous screen.

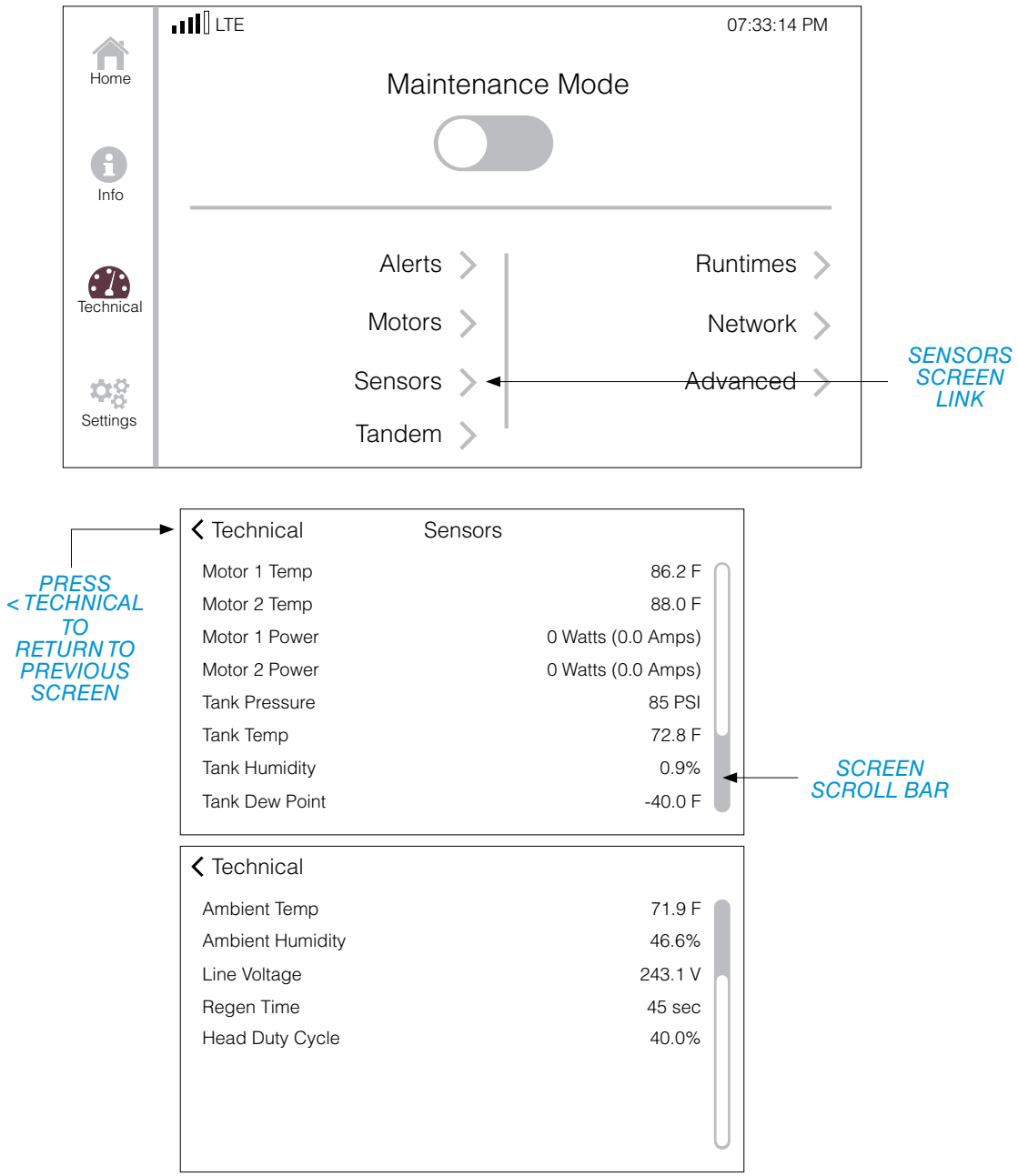


FIGURE 23. SENSORS SCREEN

TECHNICAL SCREEN (CONTINUED)

TANDEM

When compessors are put into tandem, they communicate locally with each other and work in a lead (central)–lag (peer) system to maintain facility suction while minimizing energy usage and device runtime.

NOTE: *The TANDEM > link will only display when a compressor has been added to a tandem group via the DENTALEZ Smart Utility website located at AERAS.DENTALEZ.COM.*

To view the Tandem screen, on the Technical screen, press *TANDEM >*. This will open the Tandem (central) or Tandem (peer) screen *(FIGURE 24)*.

Press *< TECHNICAL* to return to the previous screen.

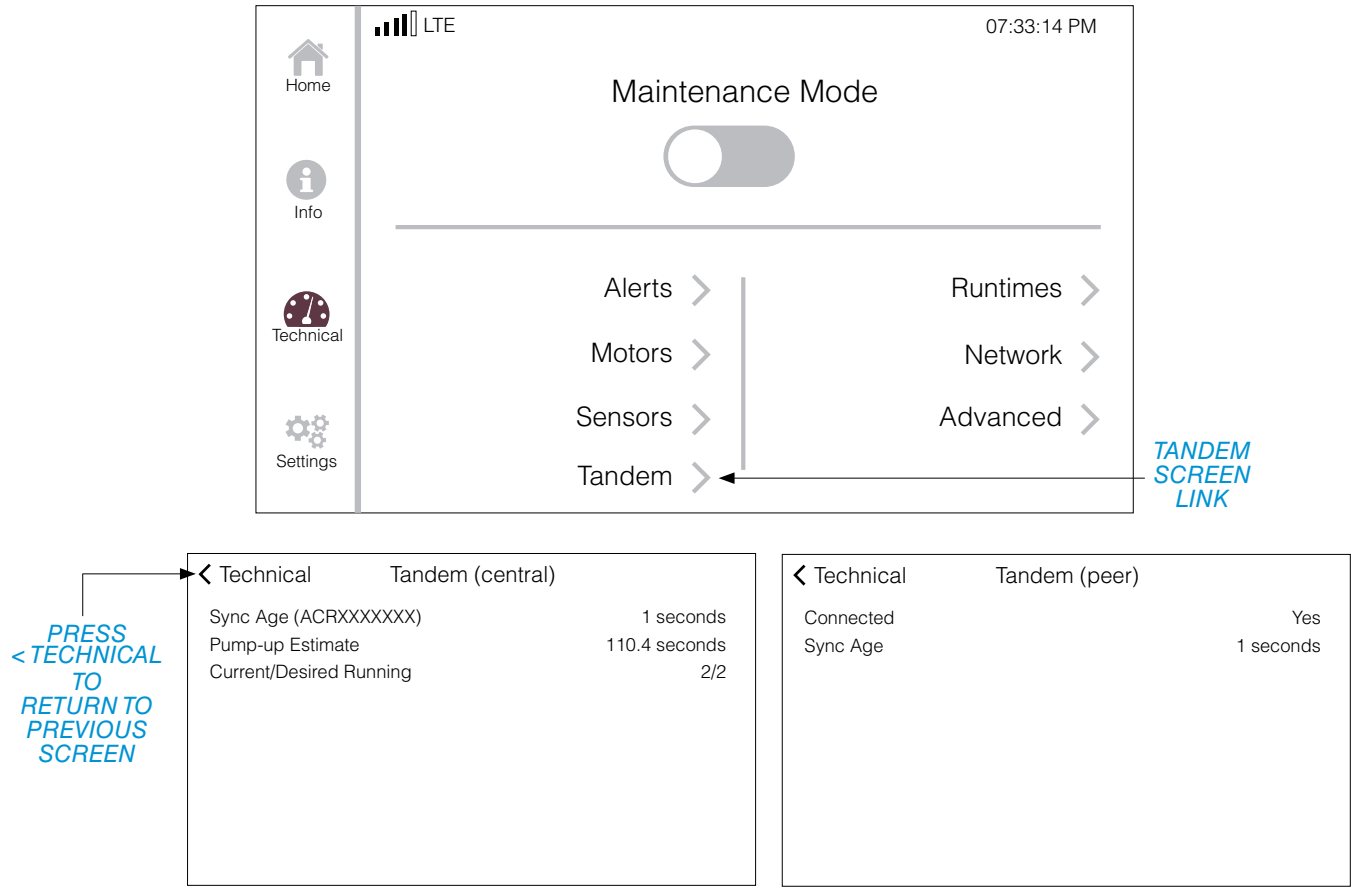


FIGURE 24. TANDEM (CENTRAL) AND TANDEM (PEER) SCREENS

TECHNICAL SCREEN (CONTINUED)

RUNTIMES

To view the Runtimes screen, on the Technical screen, press *RUNTIMES >*. This will open a new screen for viewing runtimes. Use the scroll bar located on the right to move the screen up and down *(FIGURE 25)*.

Press *< TECHNICAL* to return to the previous screen.

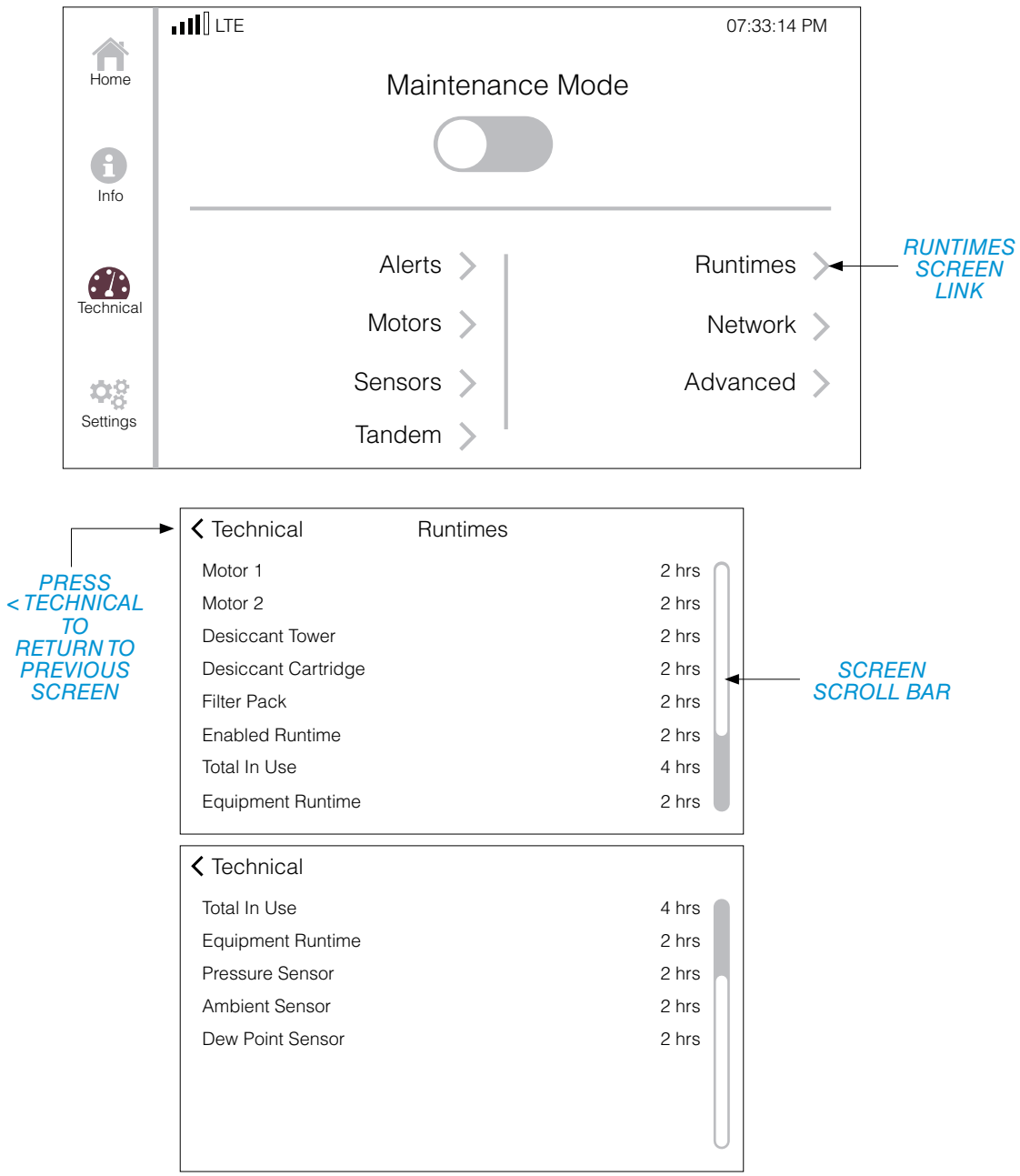


FIGURE 25. RUNTIMES SCREEN

TECHNICAL SCREEN (CONTINUED)

NETWORK

To view network status information, on the Technical screen, press *NETWORK >*. This will open the Network Info screen *(FIGURE 26)*.

The Network Information screen of the control panel displays the following information:

- Access type (LTE-M)
- Signal Strength
- Quality
- Latency (Amount of delay (or time) it takes to send information from one point to the next (milliseconds)

Press *< TECHNICAL* to return to the previous screen.

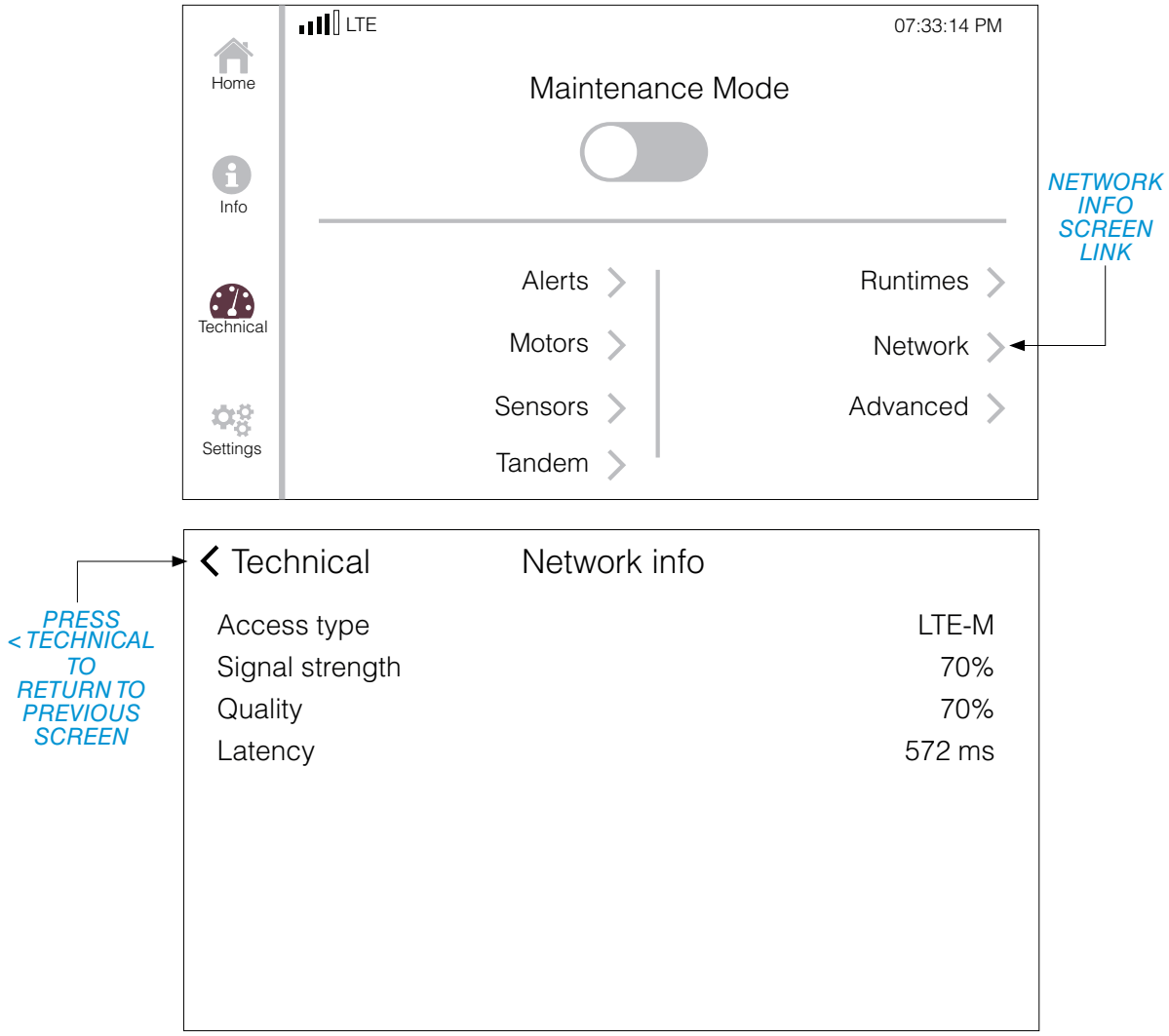


FIGURE 26. NETWORK INFORMATION SCREEN

TECHNICAL SCREEN (CONTINUED)

ADVANCED

To view the Advanced options screen, on the Technical screen, press *ADVANCED >*. This will open a new screen showing the *HIGH-PRESSURE MODE* switch and the *POWER UP OVERRIDE* switch *(FIGURE 27)*.

⚠CAUTION High-pressure mode should only be activated when supplying to a dedicated milling maching that requires higher pressure.

To enable high-pressure mode, on the Technical screen, press the gray *HIGH-PRESSURE MODE* switch. The switch will turn green, indicating that the compressor's high-pressure mode is ON. Pressing the green switch will turn the high-pressure mode OFF.

Press *< TECHNICAL* to return to the previous screen.

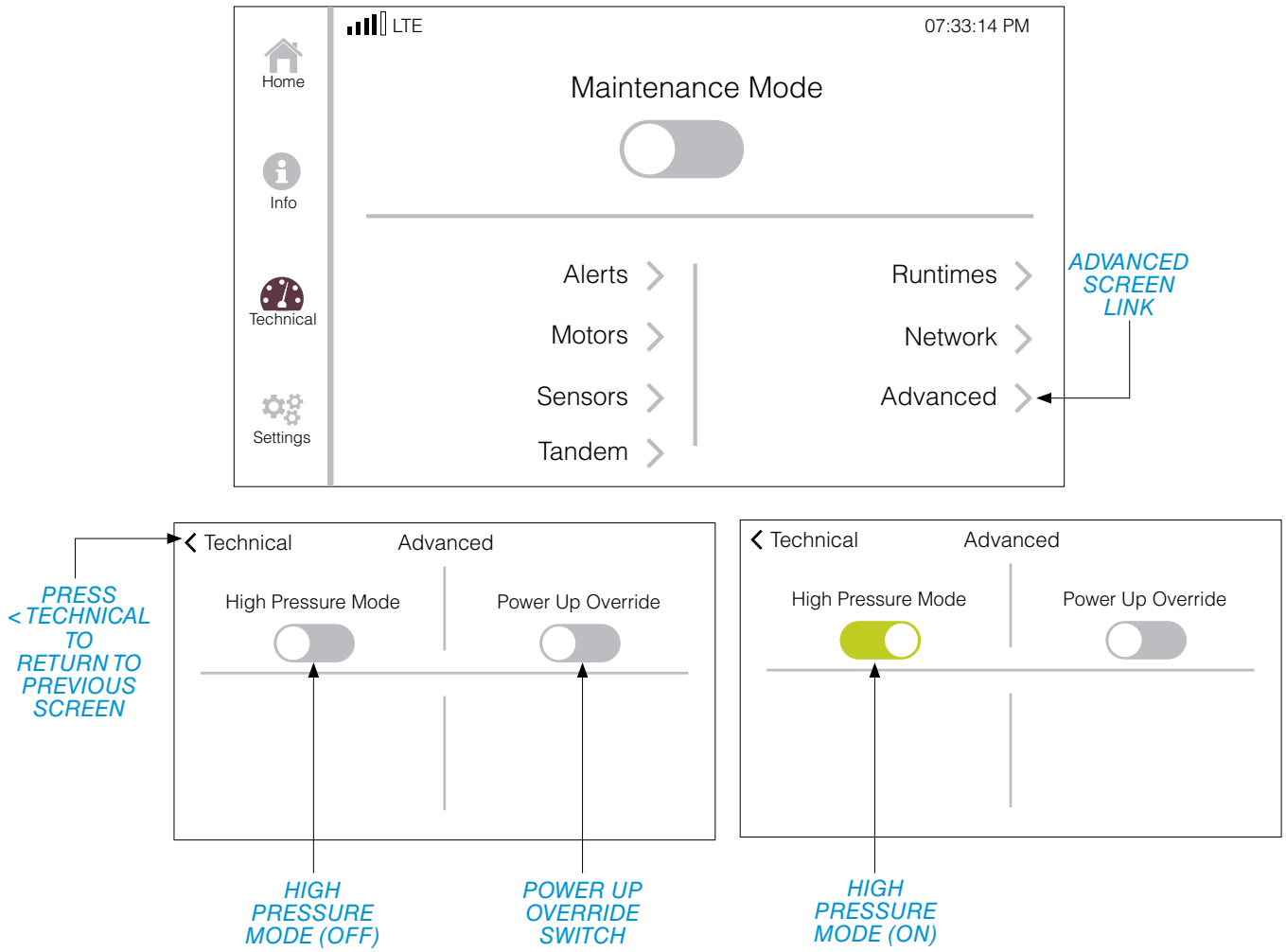


FIGURE 27. ADVANCED OPTIONS SCREEN

TECHNICAL SCREEN (CONTINUED)

MAINTENANCE MODE (ENABLE)

In order to perform maintenance tasks on the compressor, maintenance mode must be enabled. **This will disable remote switching and put the system in STANDBY mode.** To enable maintenance mode, on the Technical screen, press the gray *MAINTENANCE MODE* switch. The switch will turn green, indicating that the compressor is now in maintenance mode. The *SERVICE* screen link will also become available *(FIGURE 28)*.

While in maintenance mode, the system can be switched from STANDBY mode to ON mode, and back again as needed.

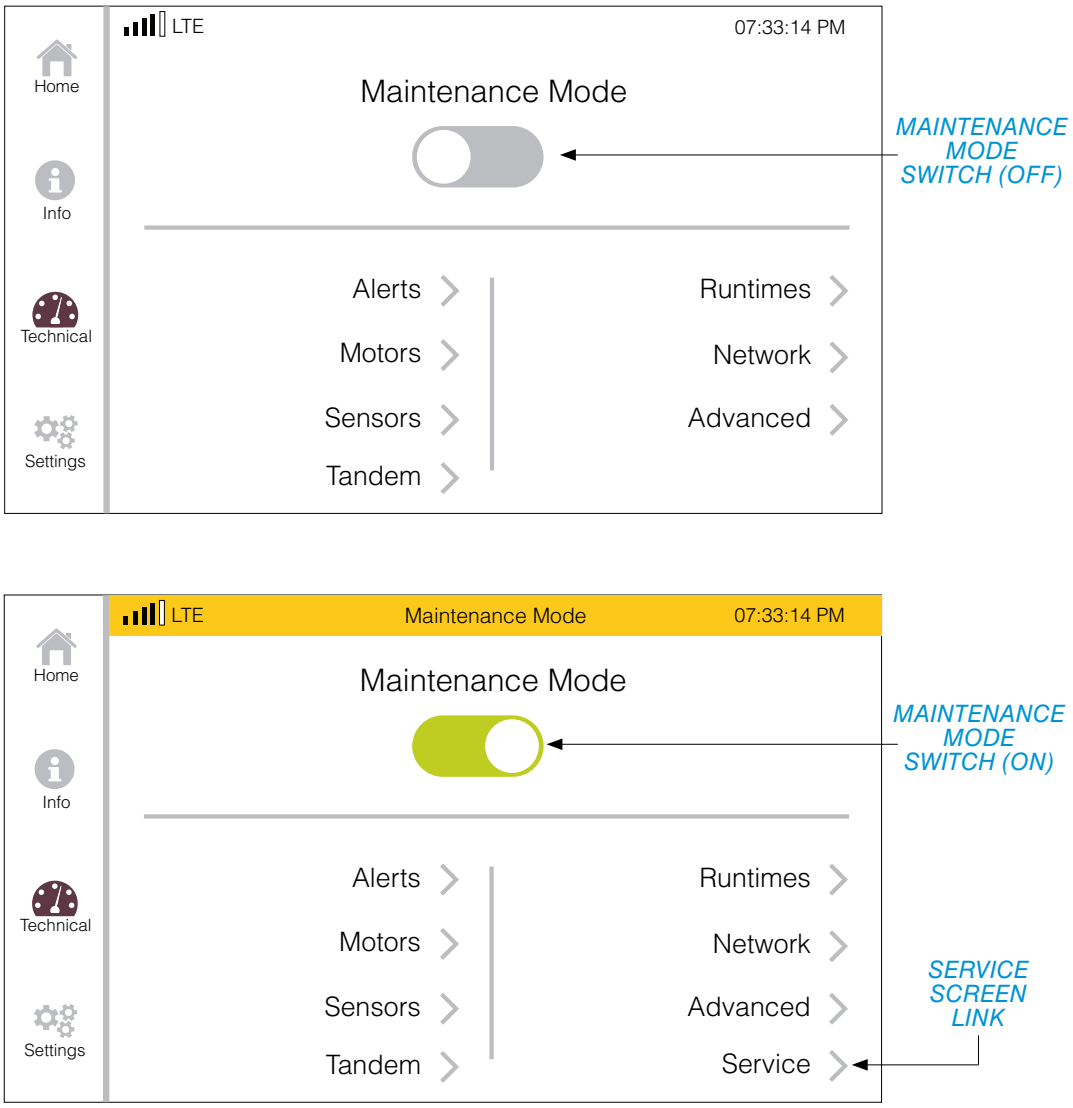


FIGURE 28. MAINTENANCE MODE ENABLE SCREENS

TECHNICAL SCREEN (CONTINUED)

MAINTENANCE MODE (DISABLE)

To exit maintenance mode, press the green *MAINTENANCE MODE* switch. This will open a new screen asking if there are any service items to record. Pressing *YES* will open the Service screen. Pressing *NO* will return to the Technical screen where maintenance mode will be turned OFF. Turning OFF maintenance mode enables remote switching, but does not return the system to ON mode. *(FIGURE 29)*.

When maintenance is complete, on the Home screen, switch compressor system from STANDBY to ON.

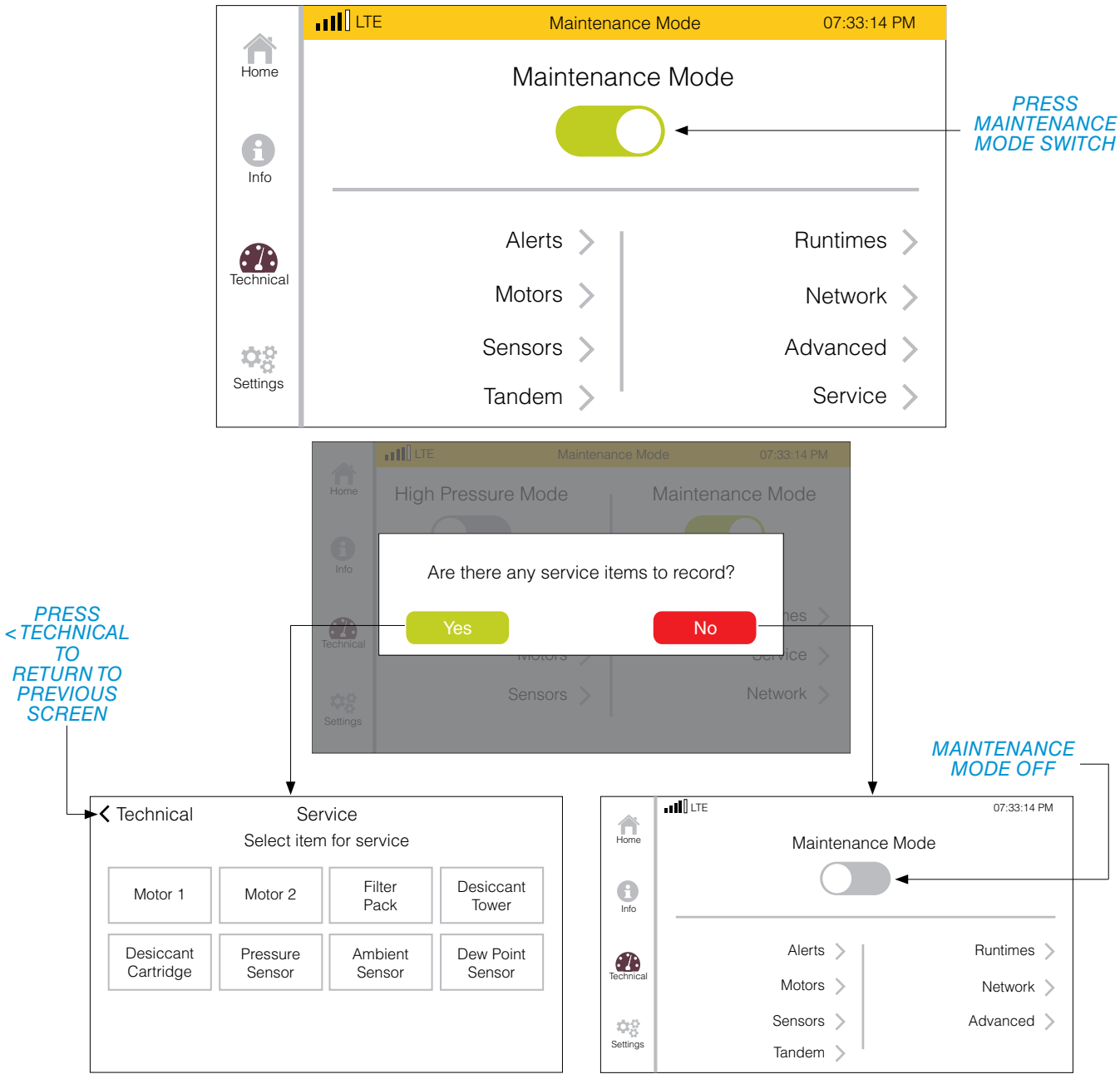


FIGURE 29. MAINTENANCE MODE DISABLE SCREENS

TECHNICAL SCREEN (CONTINUED)

MAINTENANCE MODE > SERVICE

To view the Service screen, on the Technical screen, press *SERVICE >*. This will open a new screen showing the service options that are available *(FIGURE 30)*.

Press *< TECHNICAL* to return to the previous screen.

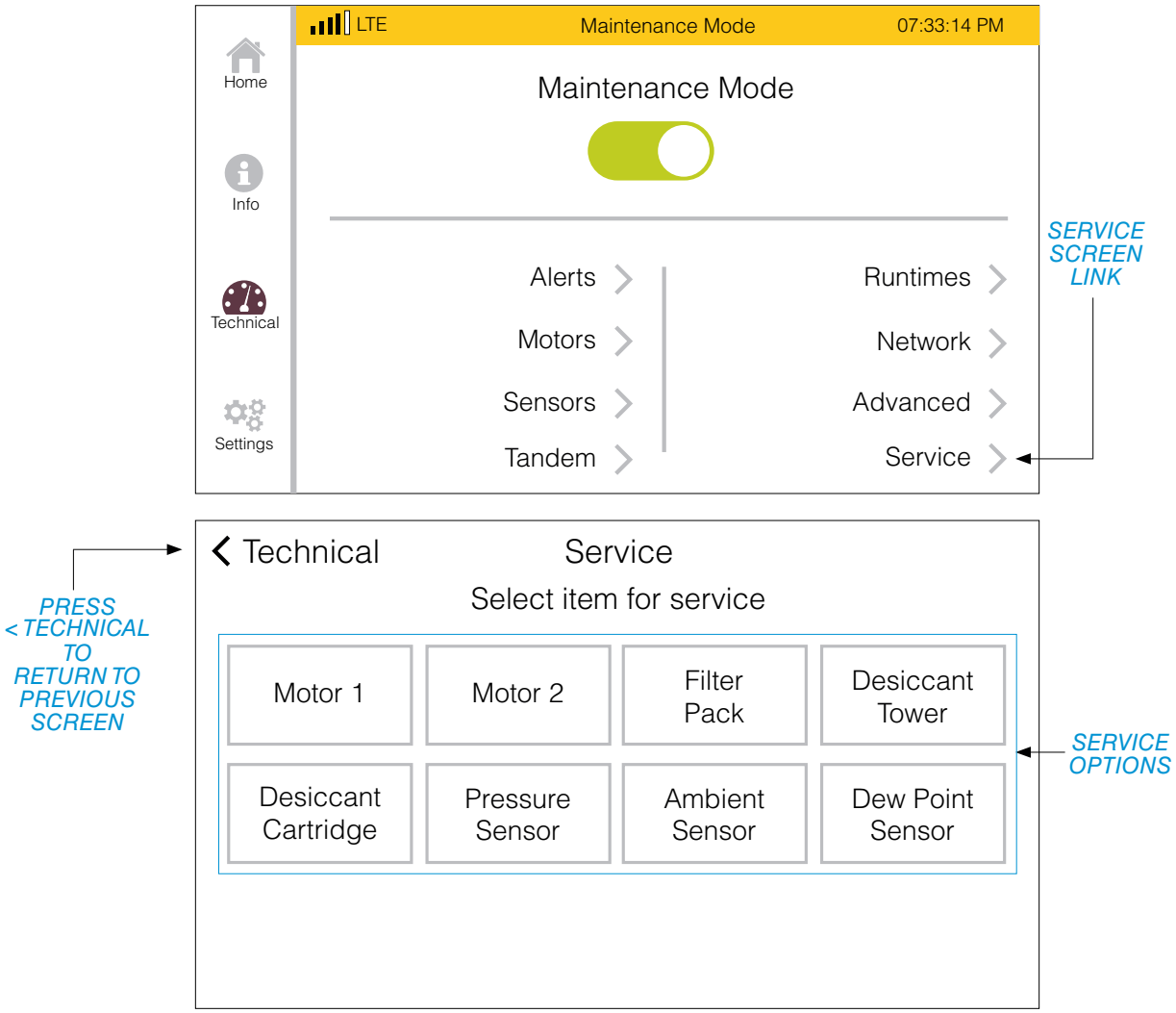


FIGURE 30. SERVICE OPTIONS SCREEN

TECHNICAL SCREEN (CONTINUED)

MAINTENANCE MODE > SERVICE > MOTORS

When replacing a motor on the compressor, a replacement serial number will need to be manually entered, which will reset current runtime. On the Service screen, press the motor being replaced (for this example, *MOTOR 1*). This will open the Motor 1 screen showing current runtime and current or replacement serial numbers Press *ENTER SERIAL NUMBER >*. This will open the Serial Number data entry screen. Using the numeric key pad, enter the replacement serial number (for this example, *1234567890*). Press *< MOTOR 1* to return to the previous screen *(FIGURE 31)*.

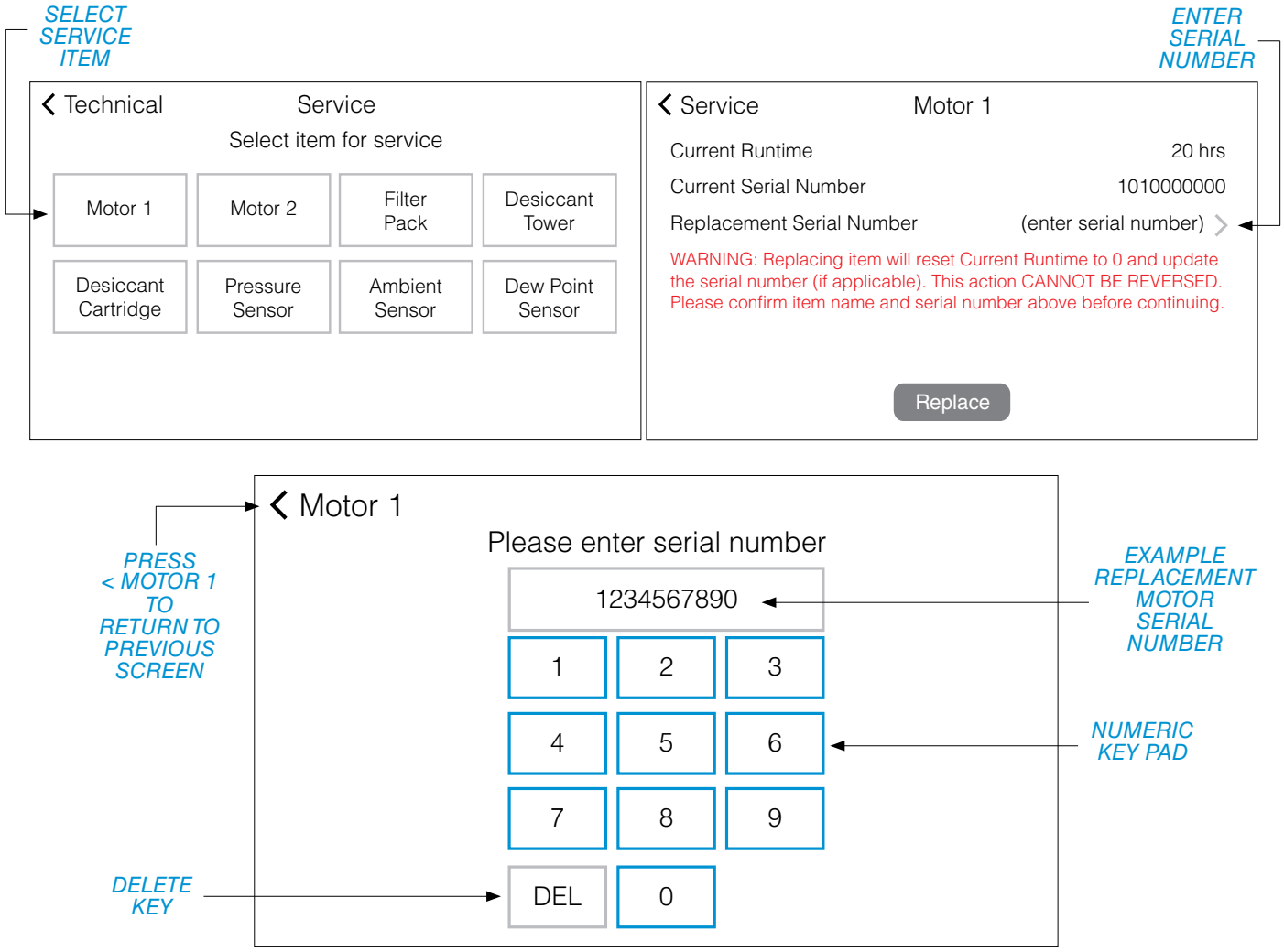


FIGURE 31. MOTOR 1 REPLACEMENT SCREENS

(Continued on the next page.)

TECHNICAL SCREEN (CONTINUED)

MAINTENANCE MODE > SERVICE > MOTORS

(Continued from the previous page.)

Confirm the item name (Motor 1), the replacement serial number (1234567890) and press *REPLACE.*

Press *OK* to replace Motor 1 and return to the Service screen, or press *CANCEL* to cancel the serial number replacement/runtime reset and return to the Motor 1 screen *(FIGURE 32)*.

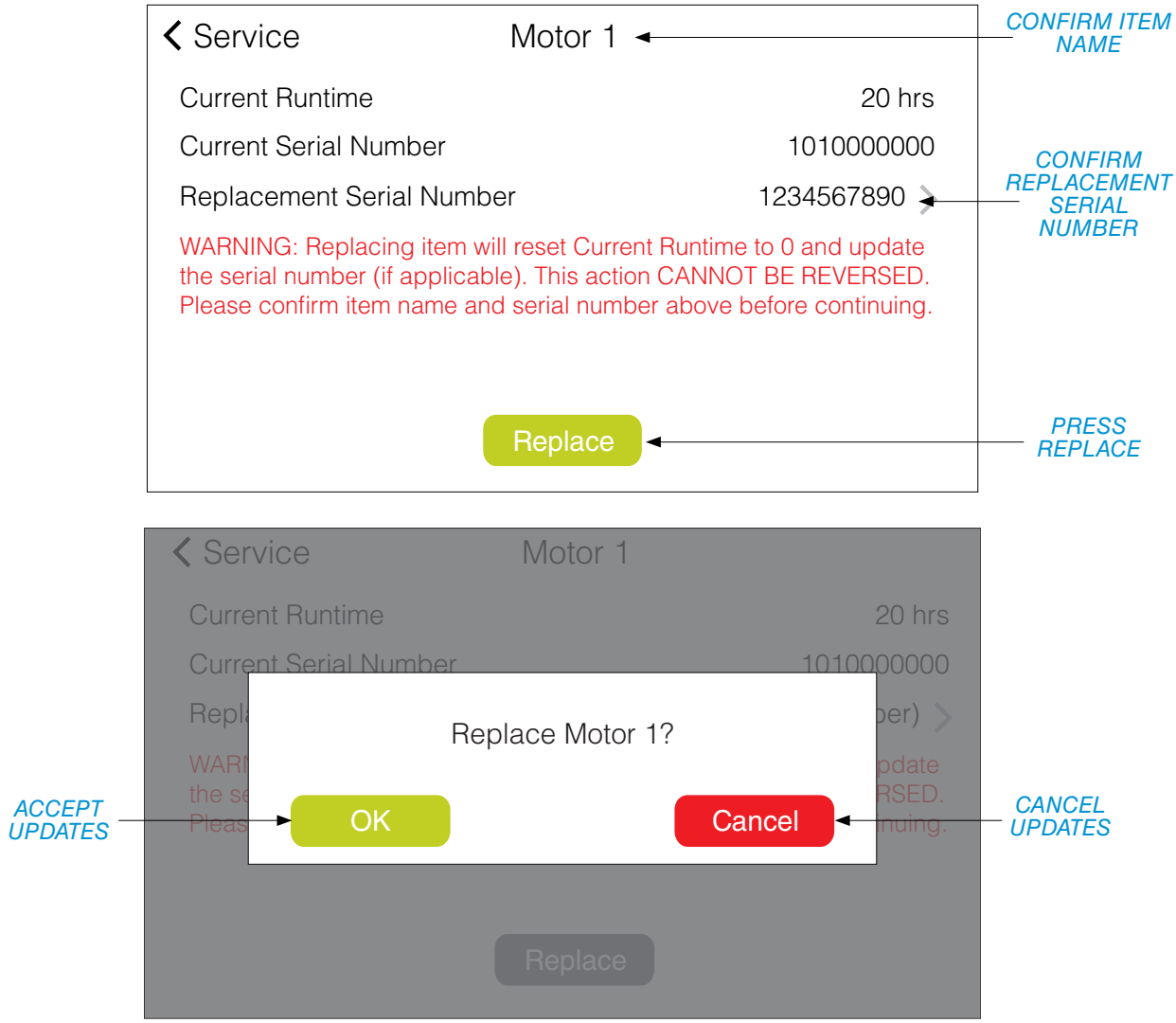


FIGURE 32. MOTOR 1 REPLACEMENT SCREENS

TECHNICAL SCREEN (CONTINUED)

MAINTENANCE MODE > SERVICE > FILTER PACK

After replacing filter pack, the current and remaining runtimes will need to be reset. On the Service screen, press *FILTER PACK*. This will open the Filter Pack screen showing current, max and remaining runtimes. Press *REPLACE*. Press *OK* to replace filter pack and return to the Service screen, or press *CANCEL* to cancel the runtimes reset and return to the Filter Pack screen *(FIGURE 33)*.



FIGURE 33. FILTER PACK REPLACEMENT SCREENS

TECHNICAL SCREEN (CONTINUED)

MAINTENANCE MODE > SERVICE > DESICCANT TOWER

When replacing a desiccant tower on the compressor, a replacement serial number will need to be manually entered, which will reset current and remaining runtimes. On the Service screen, press *DESICCANT TOWER*. This will open the Desiccant Tower screen, showing current, max and remaining runtimes, as well as the current and replacement serial number. Press *ENTER SERIAL NUMBER >*. This will open the Serial Number data entry screen. Using the numeric key pad, enter the replacement serial number (for this example, *1234567890*). Press *< DESICCANT TOWER* to return to the previous screen *(FIGURE 34)*.

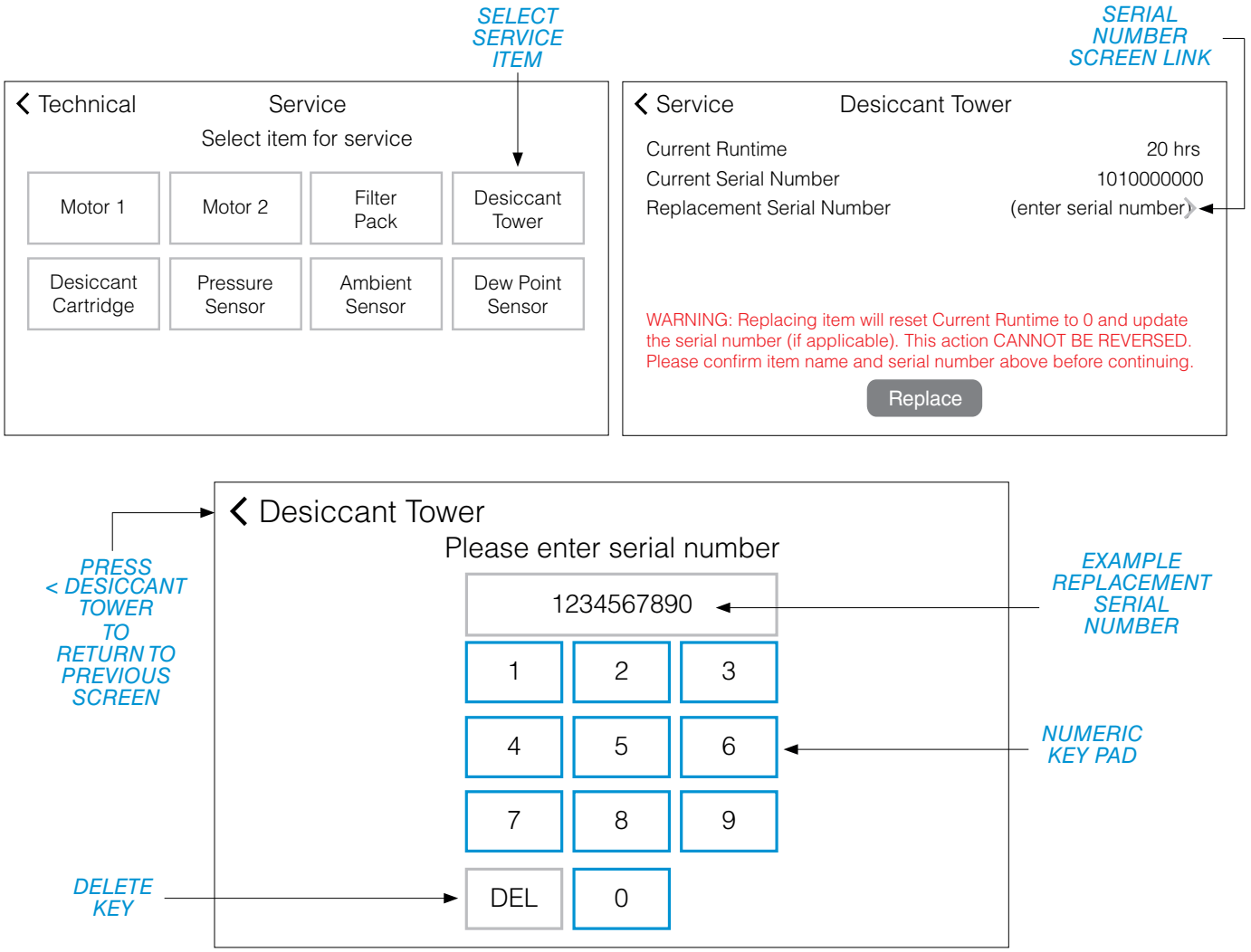


FIGURE 34. DESICCANT TOWER REPLACEMENT SCREENS

(Continued on the next page.)

TECHNICAL SCREEN (CONTINUED)

MAINTENANCE MODE > SERVICE > DESICCANT TOWER

(Continued from the previous page.)

Confirm the item name (Desiccant Tower) and the replacement serial number (1234567890) and press *REPLACE.*

Press *OK* to replace Desiccant Tower and return to the Service screen, or press *CANCEL* to cancel the serial number replacement/runtimes reset and return to the Desiccant Tower screen *(FIGURE 35)*.

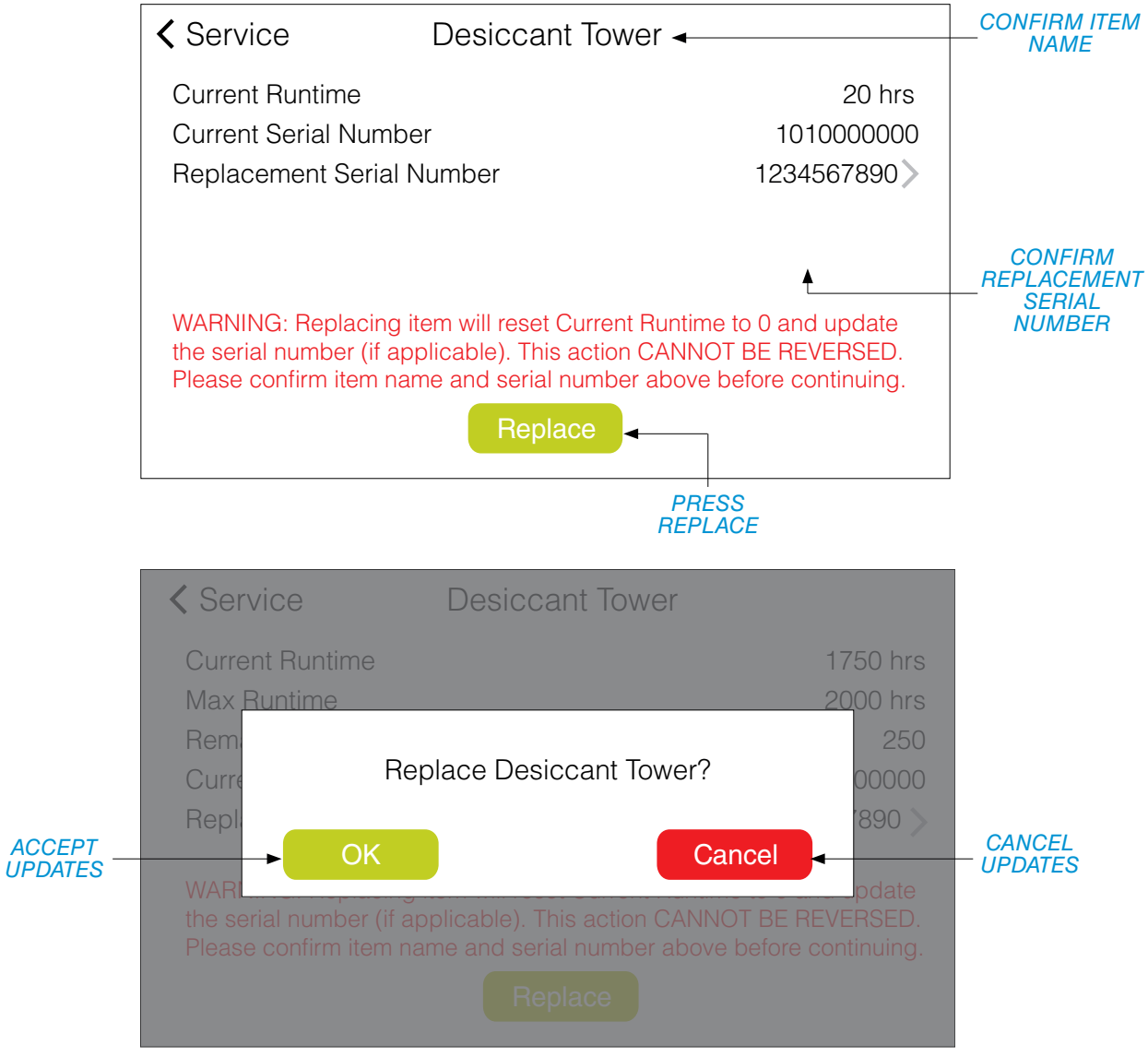


FIGURE 35. DESICCANT TOWER REPLACEMENT SCREENS

TECHNICAL SCREEN (CONTINUED)

MAINTENANCE MODE > SERVICE > DESICCANT CARTRIDGE

After replacing the desiccant cartridge, the current and remaining runtimes will need to be reset. On the Service screen, press *DESICCANT CARTRIDGE*. This will open the Desiccant Cartridge screen showing current, max and remaining runtimes. Press *REPLACE*. Press *OK* to replace desiccant cartridge and return to Service screen, or press *CANCEL* to cancel the runtimes reset and return to the Desiccant Cartridge screen *(FIGURE 36)*.

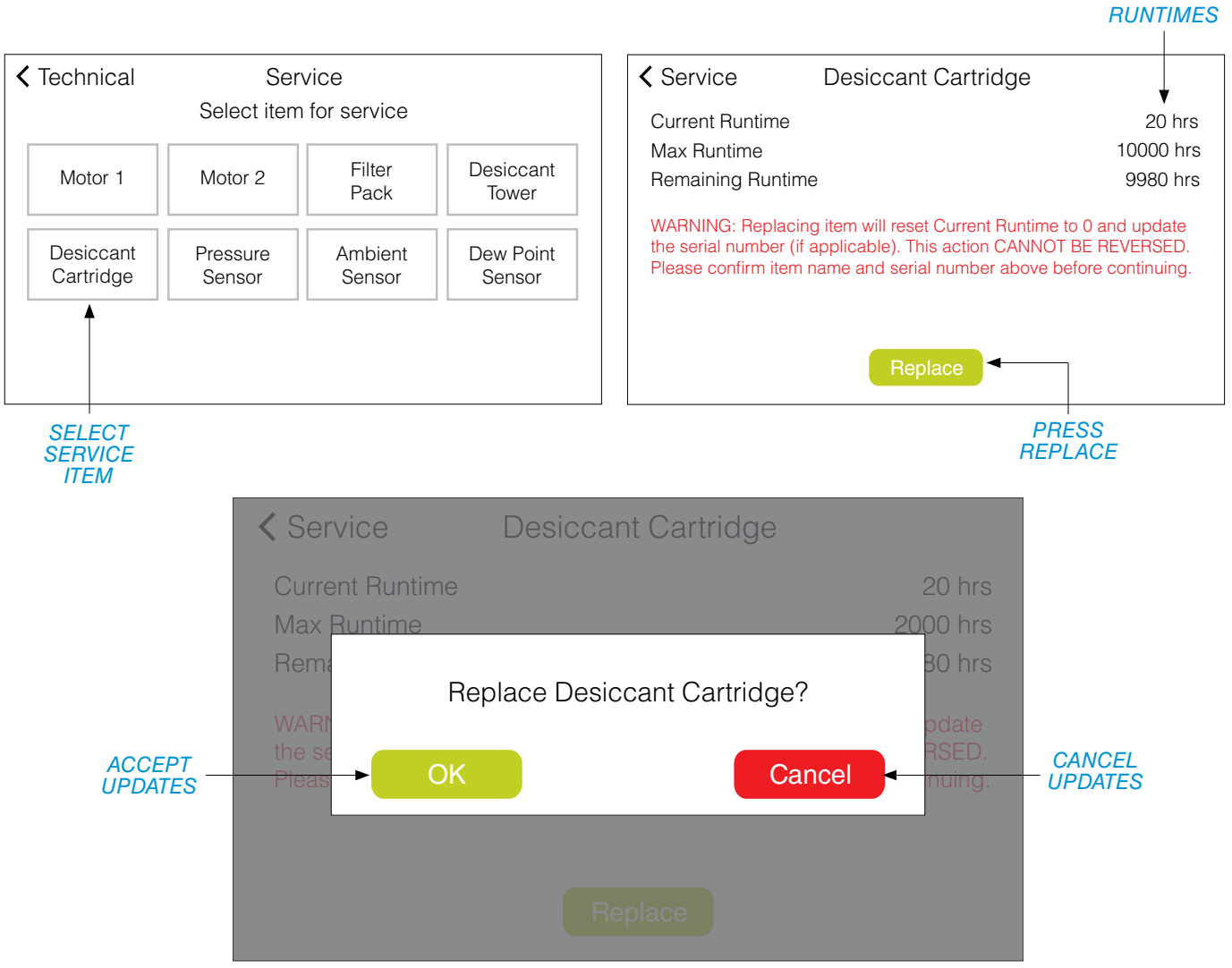


FIGURE 36. DESICCANT CARTRIDGE REPLACEMENT SCREENS

TECHNICAL SCREEN (CONTINUED)

MAINTENANCE MODE > SERVICE > PRESSURE SENSOR

After replacing pressure sensor, the current runtime will need to be reset. On the Service screen, press *PRESSURE SENSOR*. This will open the Pressure Sensor screen showing current runtime. Press *REPLACE*. Press *OK* to replace pressure sensor and return to Service screen, or press *CANCEL* to cancel runtime reset and return to Pressure Sensor screen *(FIGURE 37)*.

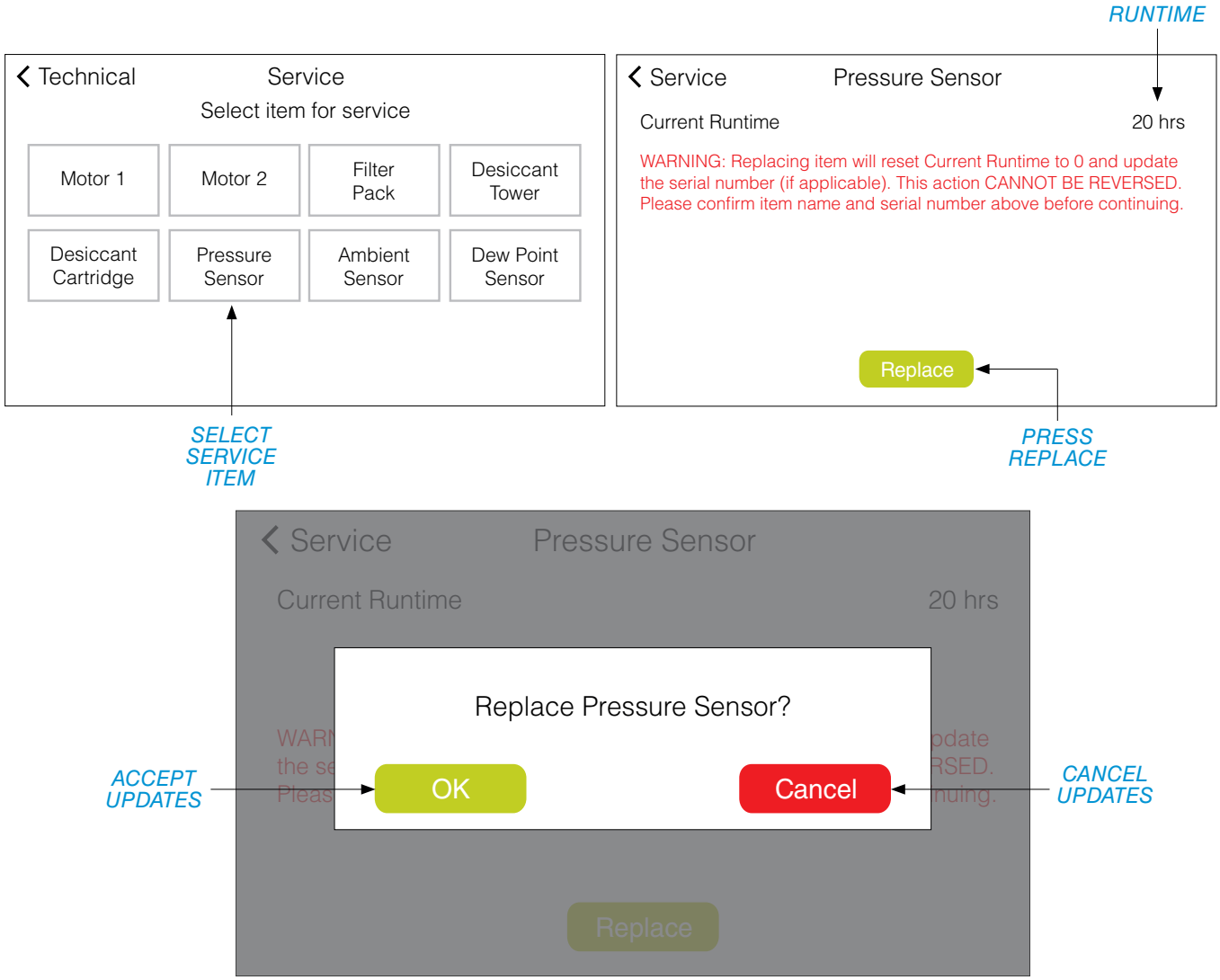


FIGURE 37. PRESSURE SENSOR REPLACEMENT SCREENS

TECHNICAL SCREEN (CONTINUED)

MAINTENANCE MODE > SERVICE > AMBIENT SENSOR

After replacing ambient sensor, the current runtime will need to be reset. On the Service screen, press *AMBIENT SENSOR*. This will open the Ambient Sensor screen showing current runtime. Press *REPLACE*. Press *OK* to replace ambient sensor and return to Service screen, or press *CANCEL* to cancel runtime reset and return to Ambient Sensor screen *(FIGURE 38)*.

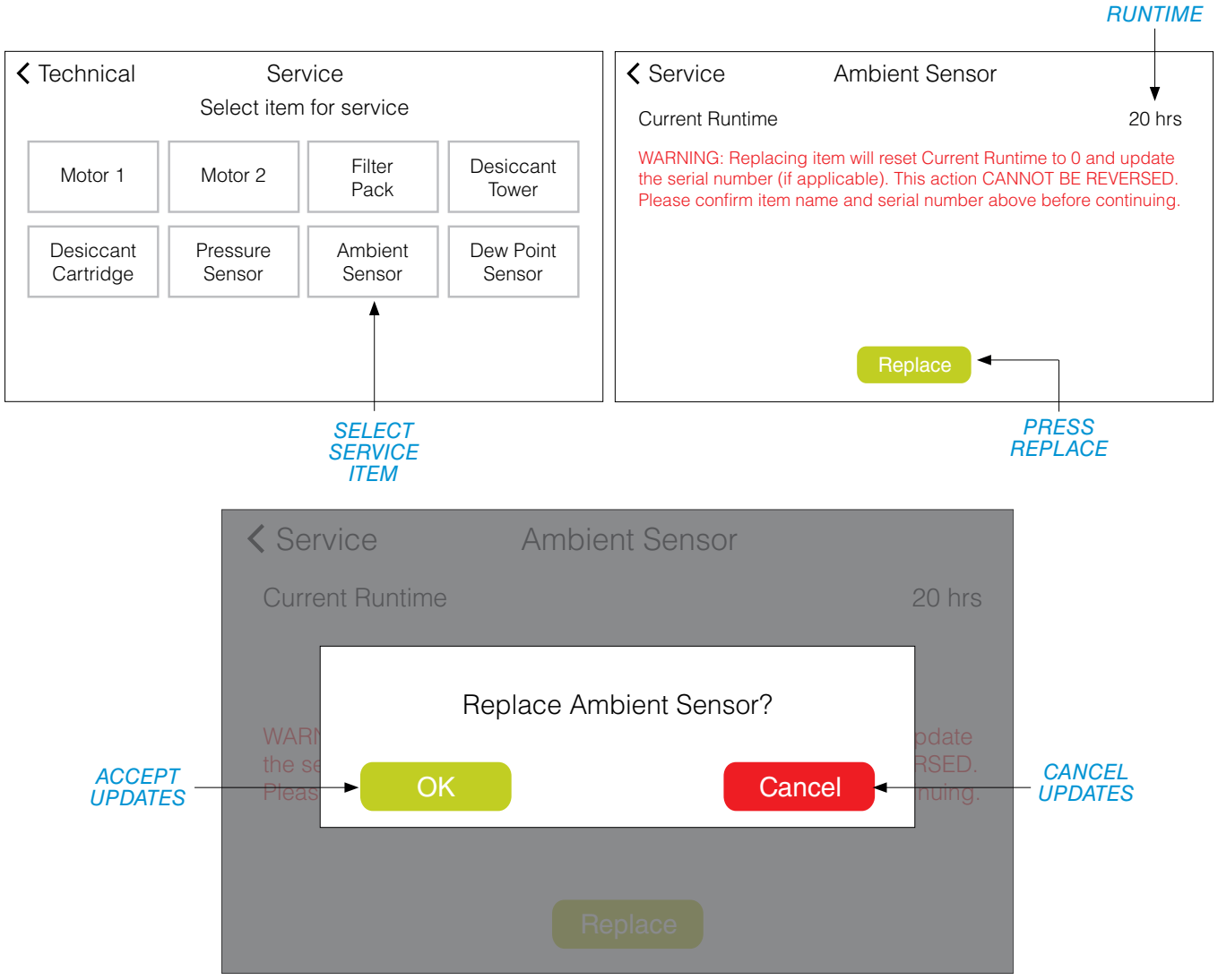


FIGURE 38. AMBIENT SENSOR REPLACEMENT SCREENS

TECHNICAL SCREEN (CONTINUED)

MAINTENANCE MODE > SERVICE > DEW POINT SENSOR

After replacing the dew point sensor, the current runtime will need to be reset. On the Service screen, press *DEW POINT SENSOR*. This will open the Dew Point Sensor screen showing current runtime. Press *REPLACE*. Press *OK* to replace dew point sensor and return to Service screen, or press *CANCEL* to cancel runtime reset and return to Dew Point Sensor screen *(FIGURE 39)*.

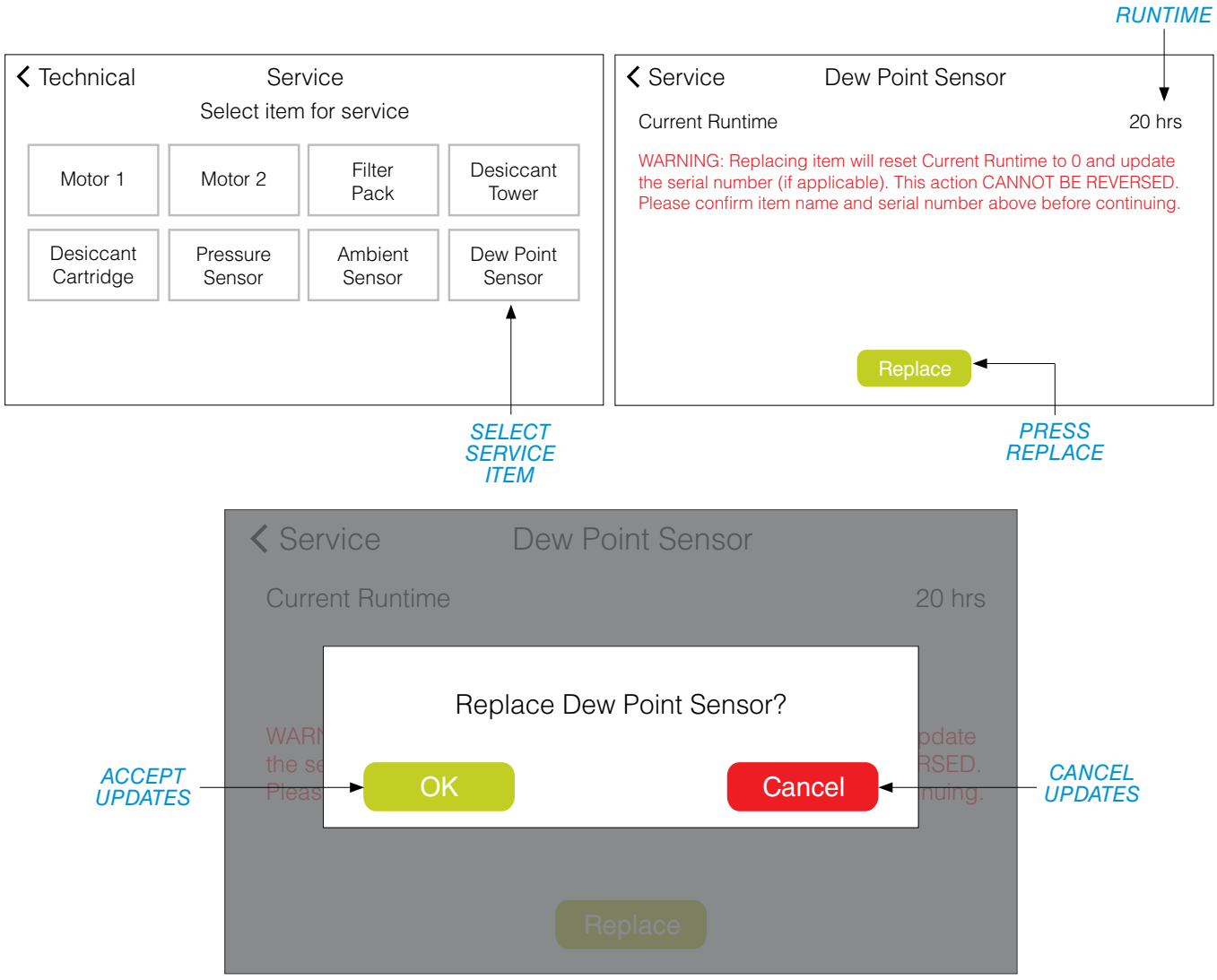


FIGURE 39. DEW POINT SENSOR REPLACEMENT SCREENS

SETTINGS SCREEN

The Setting screen of the control panel displays the following information *(FIGURE 40)*:

- Main navigational menu links: *HOME, INFO, TECHNICAL, and SETTINGS*
- Wireless signal strength indicator
- Time of day
- *SMART SCHEDULE* switch
- *METRIC* switch
- *SCHEDULE* screen link (Web app enabled)
- *DATE & TIME* screen link
- *RESET* link to restore system defaults (this cannot be undone)

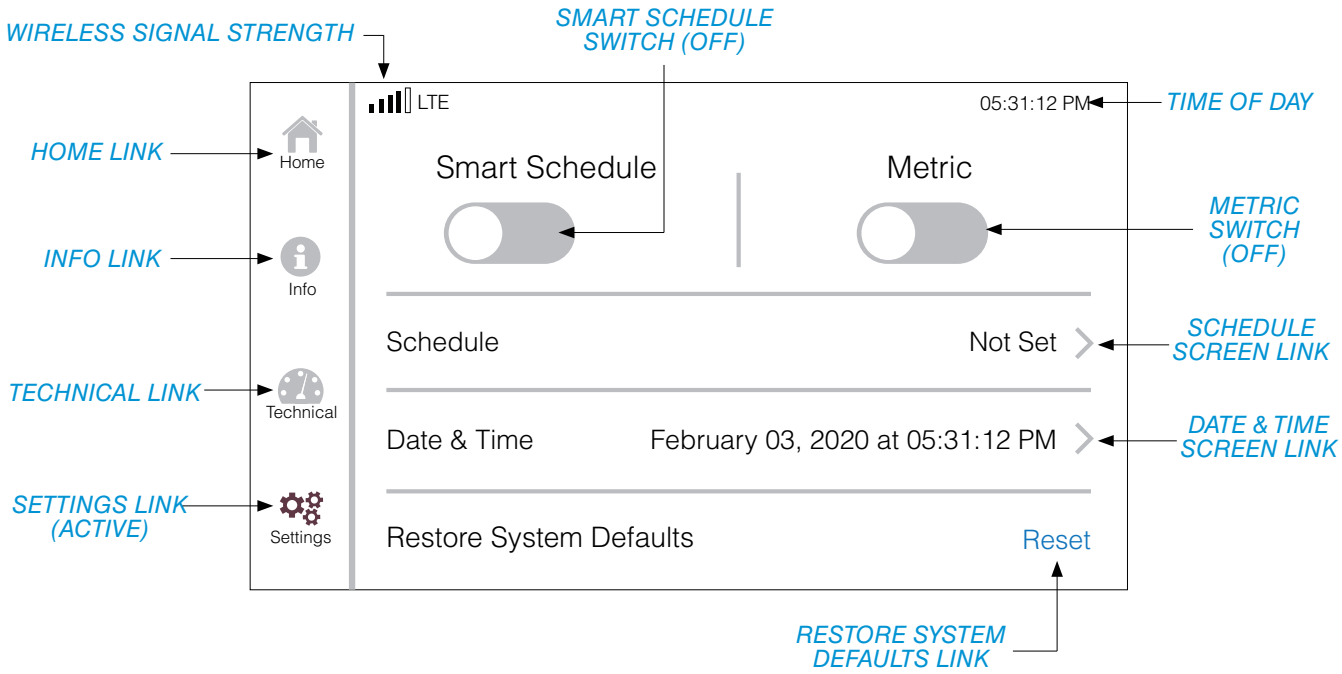


FIGURE 40. SETTINGS SCREEN

SETTINGS SCREEN (CONTINUED)

SMART SCHEDULE SWITCH

To enable the compressor schedule, on the Settings screen, press the *SMART SCHEDULE* switch. The switch will turn green, indicating that the compressor schedule is ON. Pressing the green switch will turn the schedule OFF *(FIGURE 41)*.

NOTE: *Setting the compressor schedule must be done via the DENTALEZ Smart Utility website located at AERAS.DENTALEZ.COM. The Smart Schedule detects usage and will keep the system running beyond the scheduled standby time, for up to one hour.*

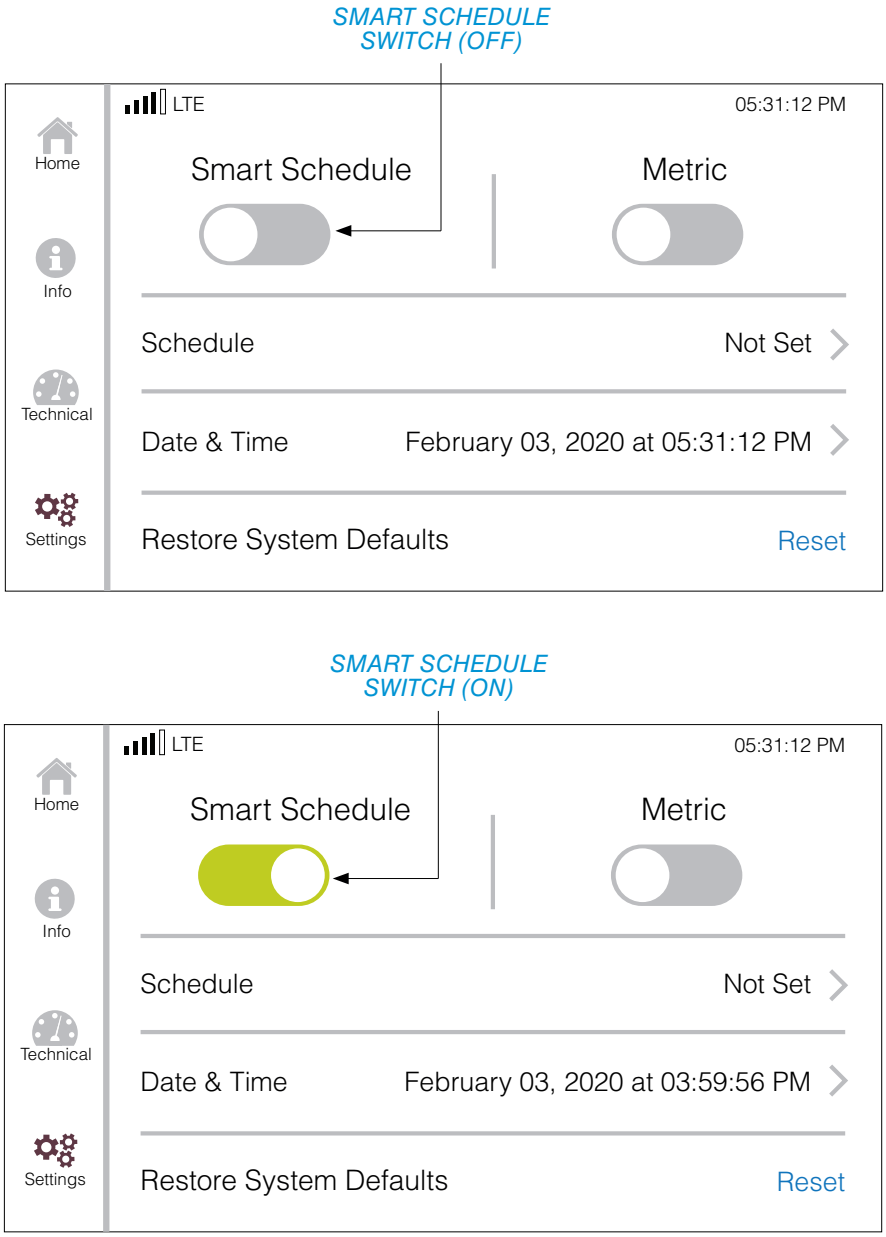


FIGURE 41. SMART SCHEDULE SWITCH

SETTINGS SCREEN (CONTINUED)

SCHEDULE

To view the Schedule screen, on the Settings screen, press SCHEDULE > (FIGURE 42).

Press < SETTINGS to return to the previous screen.

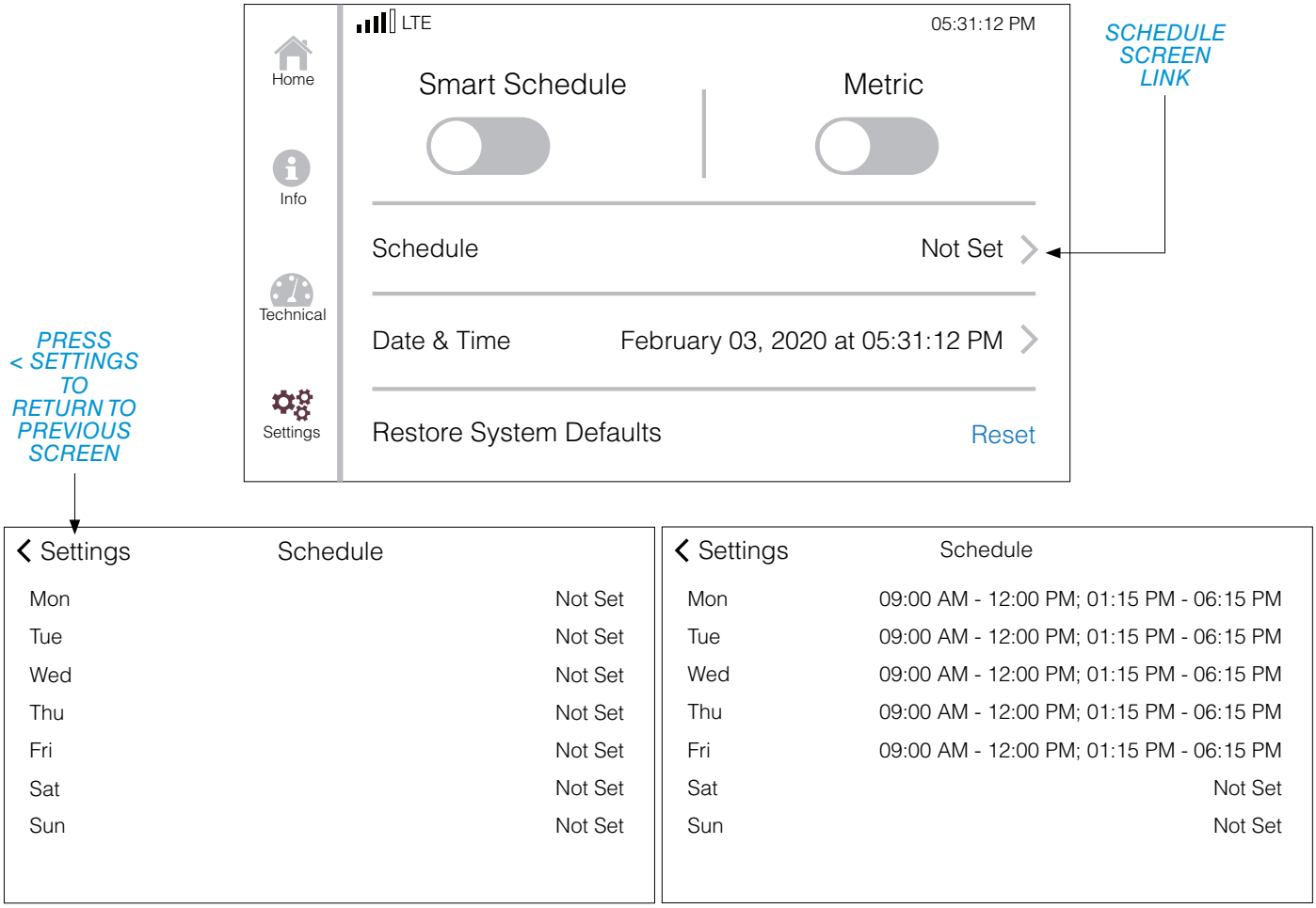


FIGURE 42. SCHEDULE SCREENS WITH NO SCHEDULE SET (LEFT) AND SCHEDULE SET (RIGHT)

SETTINGS SCREEN (CONTINUED)

DATE & TIME (AUTO SET)

When the control is connected to a network (noted by wireless signal strength indicator bars), the date and time are automatically set in the system. The only adjustable options available on the date and time screen, while connected to a network, are *ZONE*, *AUTOMATIC DST*, and *TZ+0:30* (UTC time offset 30 minutes ahead).

To manually set these options, on the Settings screen, press *DATE & TIME > (FIGURE 43)*.

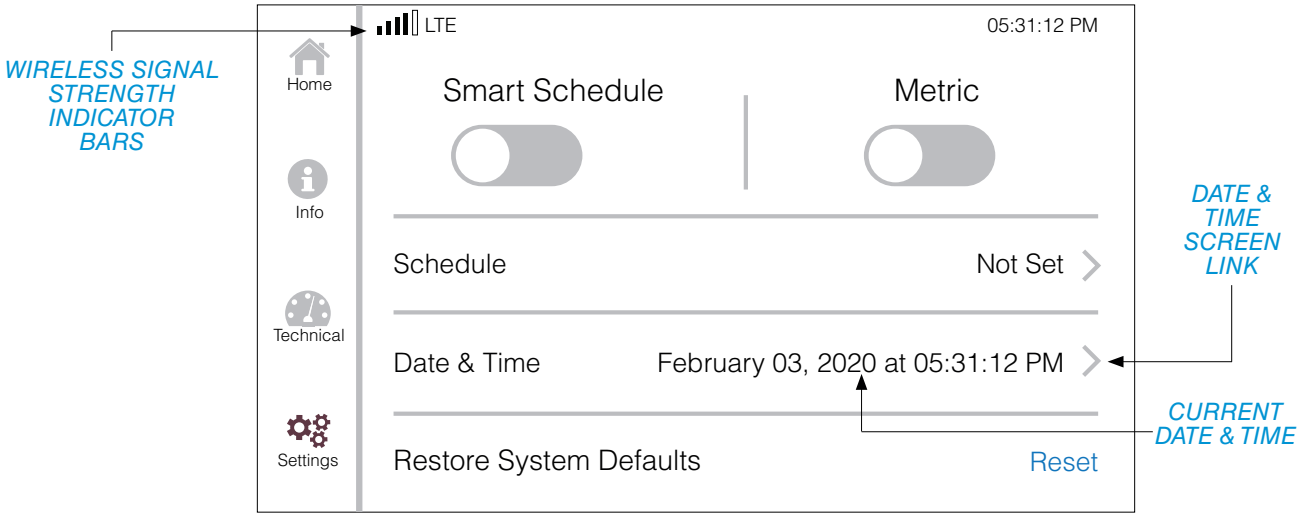


FIGURE 43. SETTINGS SCREEN

The Date & Time screen will open *(FIGURE 44)*.

To change the time zone, press *ZONE* ▲ to move the time zone backward or *ZONE* ▼ to move the time zone forward. To turn ON automatic daylight savings time, press *AUTOMATIC DST* switch. Switch will display green when ON. To add 30 minutes to the time zone (if necessary) press *TZ+0:30*. Switch will display green when ON.

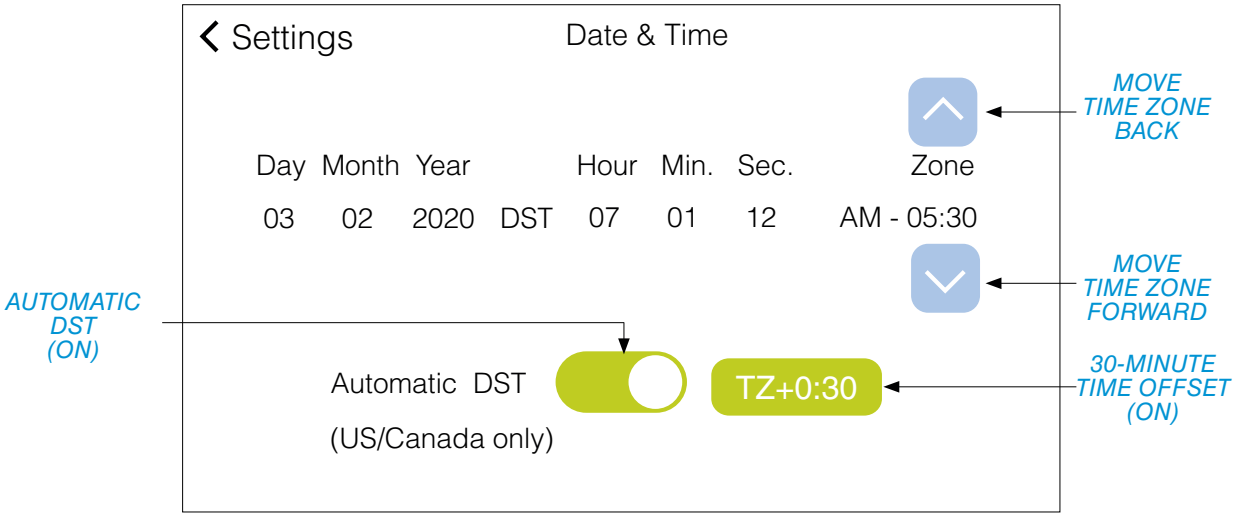


FIGURE 44. DATE & TIME MENU OPTIONS SCREEN

SETTINGS SCREEN (CONTINUED)

DATE & TIME (MANUALLY SET)

When the control is NOT connected to a network, the date and time may be manually set by the user. (**No Service** will appear in place of the wireless signal strength indicator bars.)

To manually set these options, on the Settings screen, press *DATE & TIME > (FIGURE 45)*.

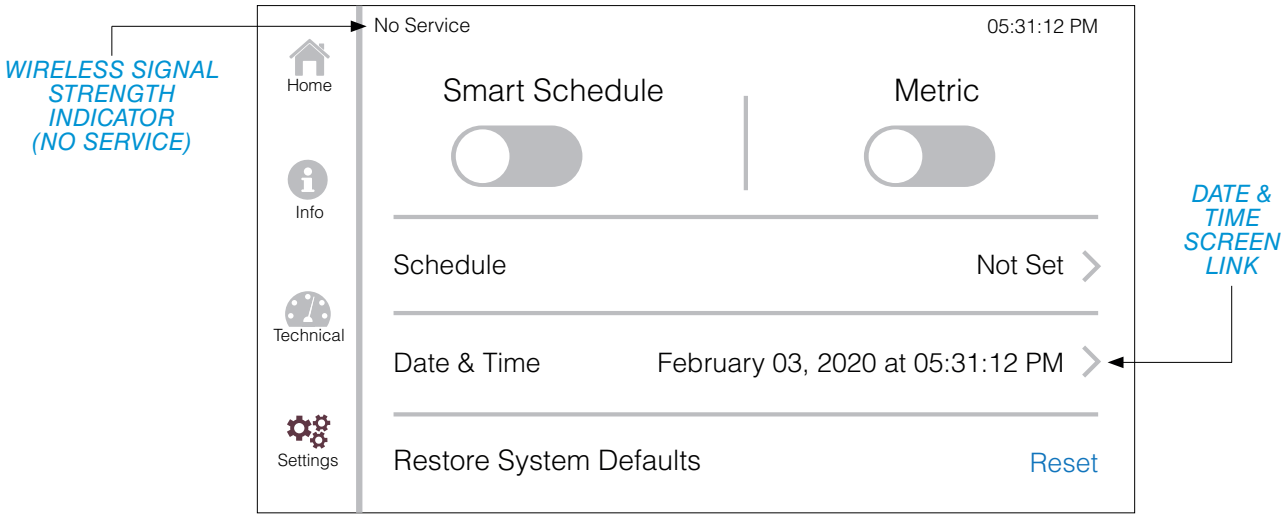


FIGURE 45. SETTINGS SCREEN

The Date & Time screen will open *(FIGURE 46)*.

Pressing the *LEFT* or *RIGHT* arrow button on either side of the screen will move the menu option arrows (▲▼) to each available option: *DAY*, *MONTH*, *YEAR*, *HOUR*, *MINUTE*, *SECOND*, *AM/PM* or *ZONE*.

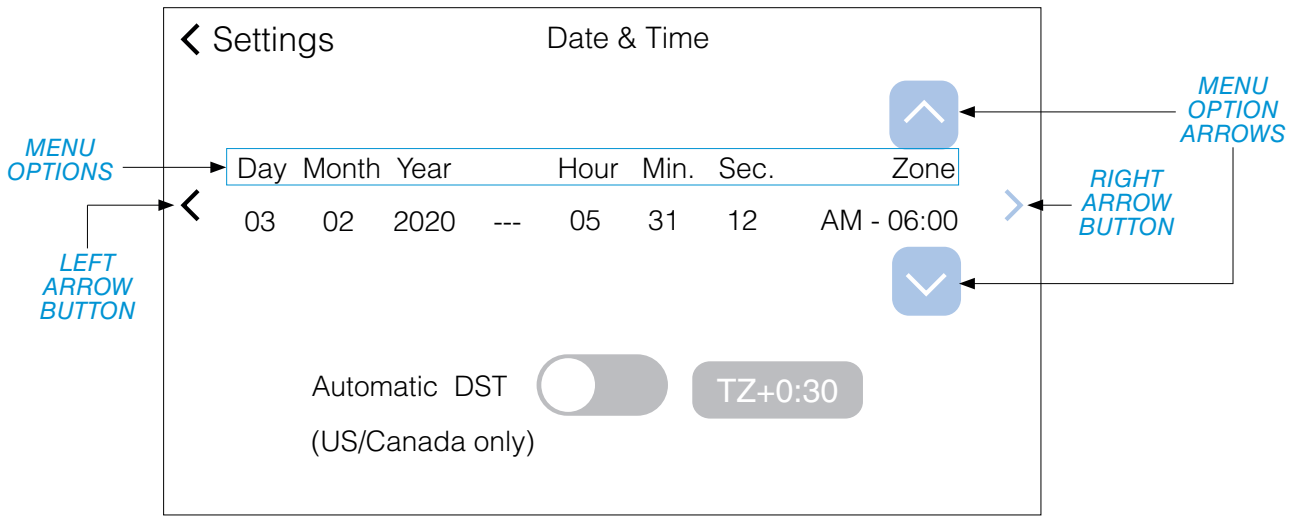


FIGURE 46. DATE & TIME MENU OPTIONS SCREEN

(Continued on the next page.)

SETTINGS SCREEN (CONTINUED)

DATE & TIME (MANUALLY SET)

(Continued from the previous page.)

After reaching the desired menu option, use the menu option arrows (▲▼) to make changes.

To adjust the time zone, press *ZONE* ▲ to move the time zone backward. Press *ZONE* ▼ to move the time zone forward *(FIGURE 47)*.

Repeat this action to adjust each menu option (*DAY*, *MONTH*, *YEAR*, *HOUR*, *MINUTE*, *SECOND* and *AM/PM*).

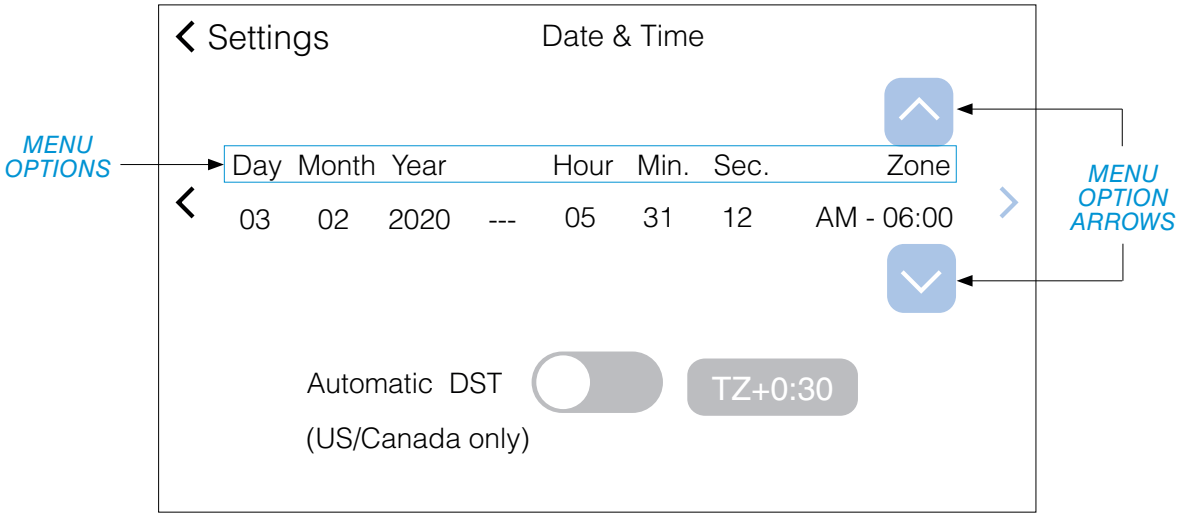


FIGURE 47. DATE & TIME MENU OPTIONS SCREEN

To turn ON automatic daylight savings time, press *AUTOMATIC DST* switch. Switch will display green when ON. To add 30 minutes to the time zone (if necessary) press *TZ+0:30*. Switch will display green when ON *(FIGURE 48)*.

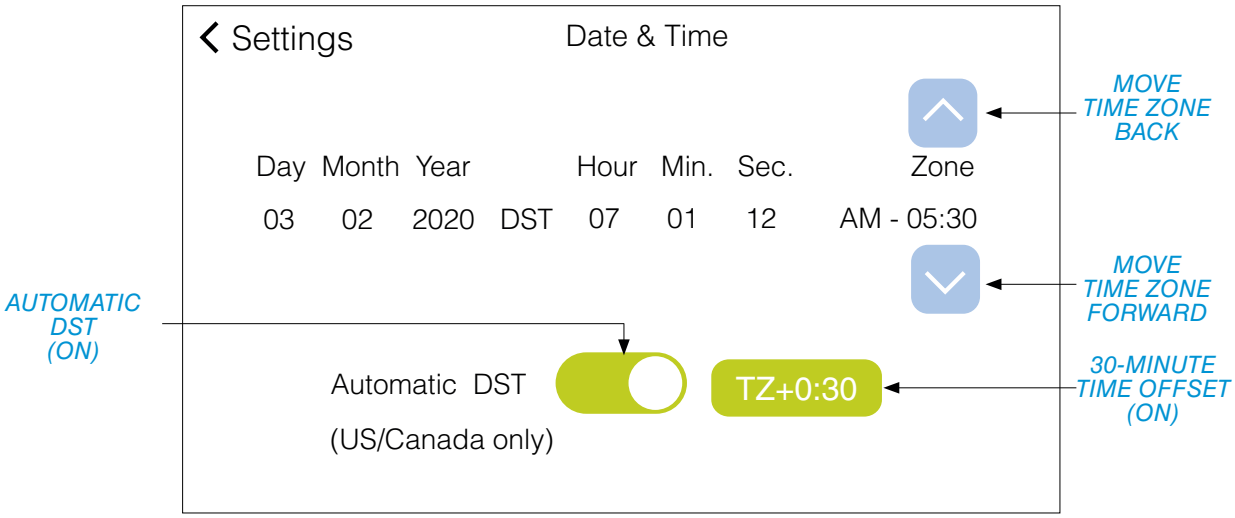


FIGURE 48. DATE & TIME MENU OPTIONS SCREEN VIEW

SETTINGS SCREEN (CONTINUED)

METRIC DISPLAY SWITCH

By default, temperature/pressure measurements on the control panel are displayed in imperial units (Fahrenheit/ PSI). This can be switched to view temperature/pressure measurements in metric units (Celsius/kPa). On the Settings screen, press the *METRIC* switch. The switch will turn green, indicating that the compressor is now in metric mode (*FIGURE 49*).

Pressing the *METRIC* switch again will turn OFF metric mode, returning measurements to imperial units..

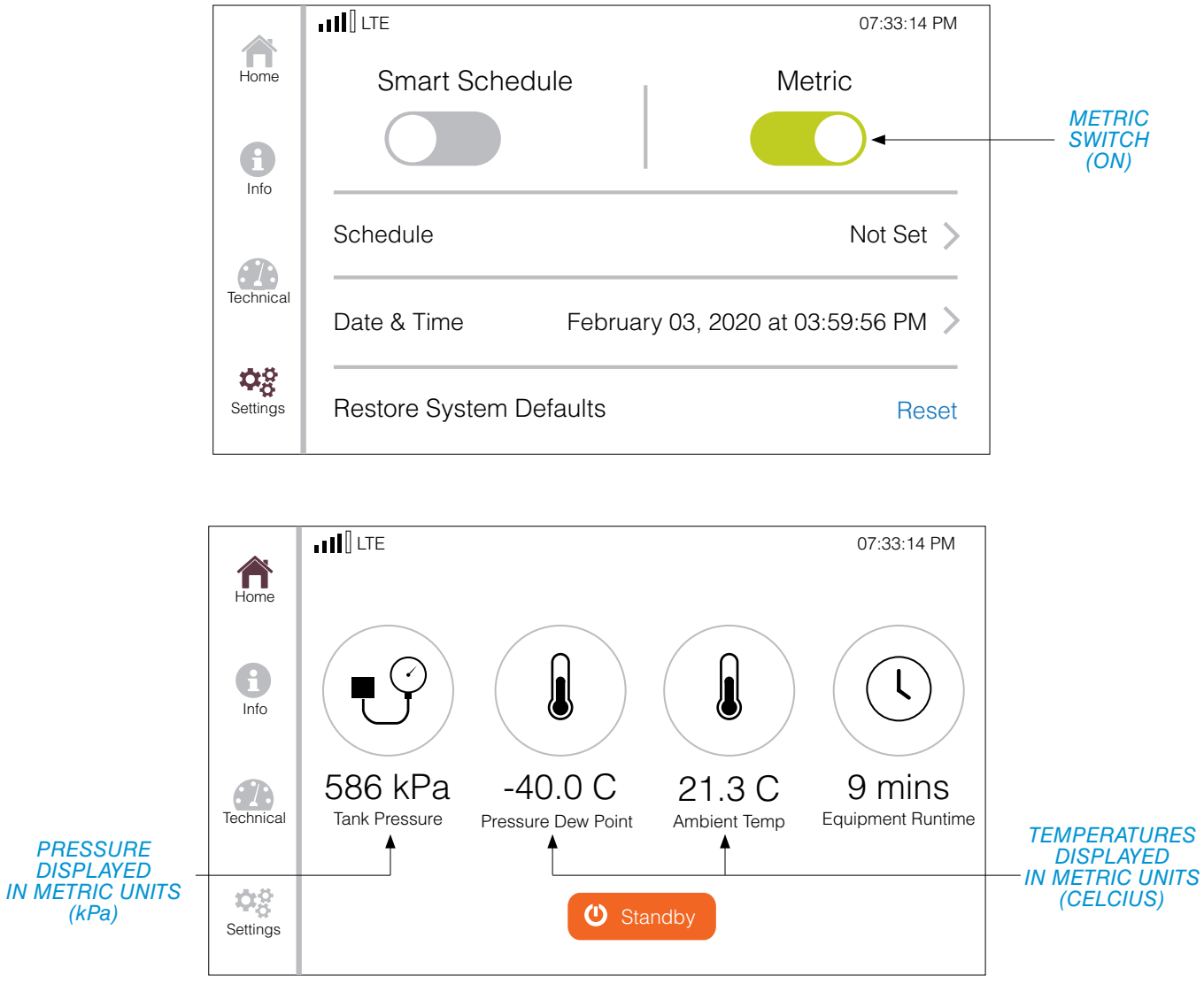


FIGURE 49. METRIC MODE ENABLED

OVERVIEW

Compressor preventive maintenance is simple, clean and inexpensive. It can help ensure your system provides years of predictable performance. While most maintenance tasks can be performed by the user, Ramvac recommends having all service and maintenance conducted by a dealer service technician.

This compressor system, when correctly specified for a dental office, should accumulate around 700 hours per year, or run at approximately a 50% duty cycle (3 minutes on, 3 minutes off). Service and maintenance intervals are calculated accordingly, but could vary greatly depending on the installation. It is important to occasionally inspect the compressor for emerging issues or maintenance requirements that may not conform to the average.

NOTE: *When servicing this compressor, only use Ramvac approved service parts. Utilizing non-approved components could lead to system damage and possible termination of product warranty. Circuit diagrams, parts lists and other required information is available to service personnel by contacting Ramvac.*

EXPECTED SERVICE LIFE With proper maintenance and service, Ramvac products are designed for a defined "service life" under normal use (based on approximately 50 patients per week) of 5 years from the date of manufacture, except for serviceable components. Some components may become obsolete due to changes in technology or due to product improvements and may necessitate product updates or upgrades. At the end of the defined service life, all products require examination by a trained service technician prior to continued use. Following this, additional examinations are required every 5 years.

KEY POINTS FOR TROUBLE-FREE OPERATION

- Follow the recommended *PREVENTIVE MAINTENANCE SCHEDULE*.
- Check the coalescing and particulate filters indicator every month (see *CHECK FILTER ELEMENT SERVICE INDICATOR* in this section).
- Keep compressor clean and free of dirt.
- Keep area surrounding compressor free of debris.
- Maintain a controlled ambient temperature between recommended levels of 35°F to 100°F (2°C to 38°C). High temperatures will shorten the life of the air compressor.

CLEANING INSTRUCTIONS

1. Always disconnect the power from the equipment prior to cleaning.
2. Some parts/components on the compressor get hot during operation; provide the equipment ample time to cool prior to cleaning.
3. All components can be safely wiped down with a damp cloth, wet with water. Using any cleaners or harsh chemicals to clean this equipment is NOT recommended; potentially harmful effects have not been evaluated.
4. Do not heavily wet electrical components.
5. Allow equipment to air dry or dry with clean, soft cloth.

PREVENTIVE MAINTENANCE SCHEDULE

This is a recommended schedule for a compressor in a clean, dry environment. Any site other than specified will decrease maintenance time exponentially.

Test for Air Leaks	First Week and Annually thereafter
Replace Intake/Silencer Filters & Dryer Mufflers	Annually
Replace Coalescing Filter	Annually or when filter element service indicator moves to completely red while running
Replace Particulate Filter	Annually or when filter element service indicator moves to completely red while running
Inspect Dryer	Annually
Test Safety Valve	Annually
Replace Desiccant Cartridges	Every 5 Years

CHECK FILTER ELEMENT SERVICE INDICATOR

The compressor is equipped with a filter element service indicator. When the indicator turns fully red, the filter element should be replaced *(FIGURE 50)*.

NOTE: *Replace element annually, even if the red indicator does not reach the top.*

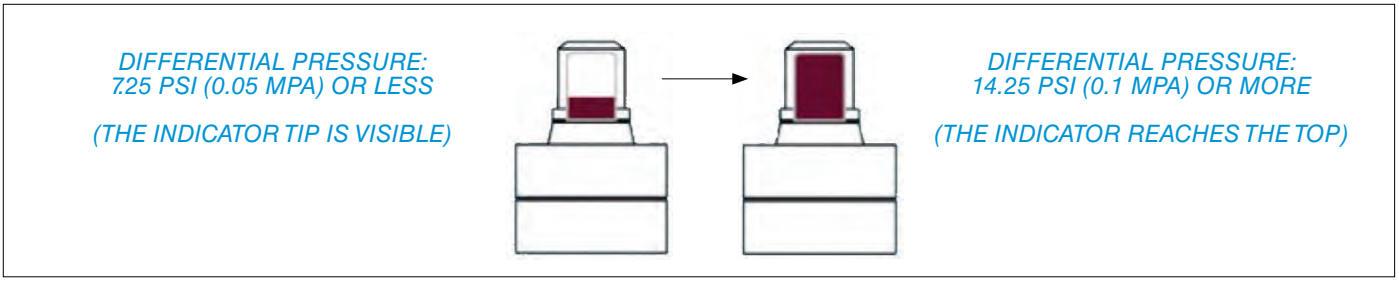


FIGURE 50. FILTER WITH ELEMENT SERVICE INDICATOR

TEST FOR AIR LEAKS

1. Close shut-off valve *(FIGURE 51)*.
2. Run compressor until it shuts off with a tank pressure of 115 PSI/793 kPa showing on the Home screen of the control panel LDC display *(FIGURE 52)*.
3. On the Technical screen, press and enable *MAINTENANCE MODE (FIGURE 53)*.

   NOTE: *Turning on maintenance mode disables remote switching and puts the system in standby mode.*
4. Let compressor sit for 5 minutes.
5. On the Home screen, check tank pressure. If the pressure drop is more than 5 PSI/34kPa in a 5-minute time period, leaks must be repaired. Repair if needed.
6. Open shut-off valve.

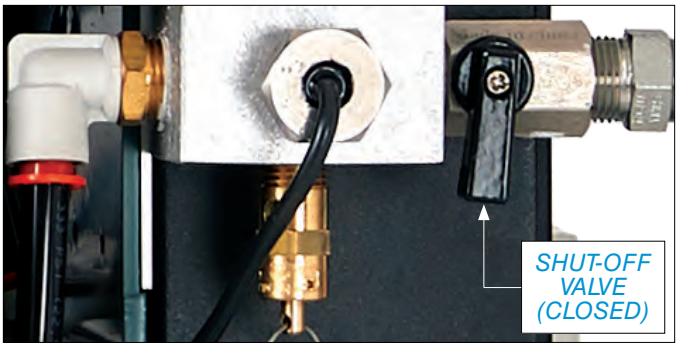


FIGURE 51. CLOSE SHUT-OFF VALVE

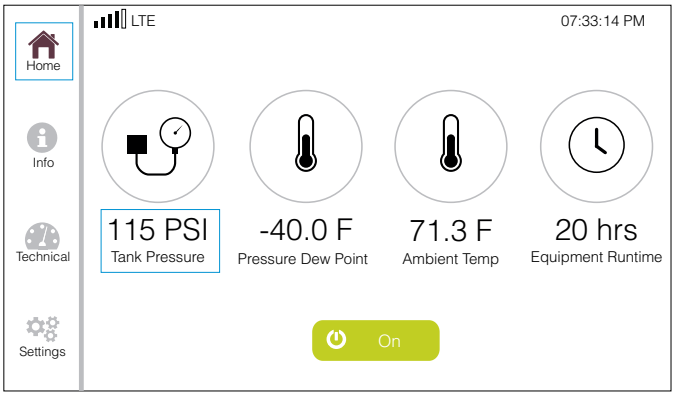


FIGURE 52. RUN COMPRESSOR TO 115 PSI SHUTOFF

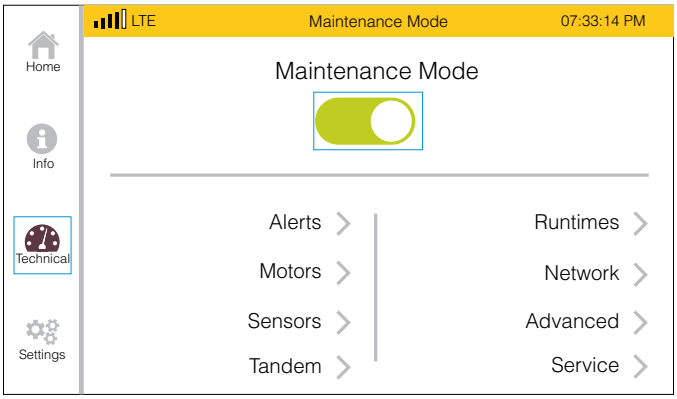


FIGURE 53. ENABLE MAINTENANCE MODE

TEST FOR AIR LEAKS (CONTINUED)

7. On the Technical screen, press and disable *MAINTENANCE MODE*. Press *NO* on the pop-up dialogue box *(FIGURE 54)*.

   NOTE: *Turning OFF maintenance mode enables remote switching, but does not return the system to ON mode.*

8. On the Home screen, press *STANDBY* to turn the system ON *(FIGURE 55)*.

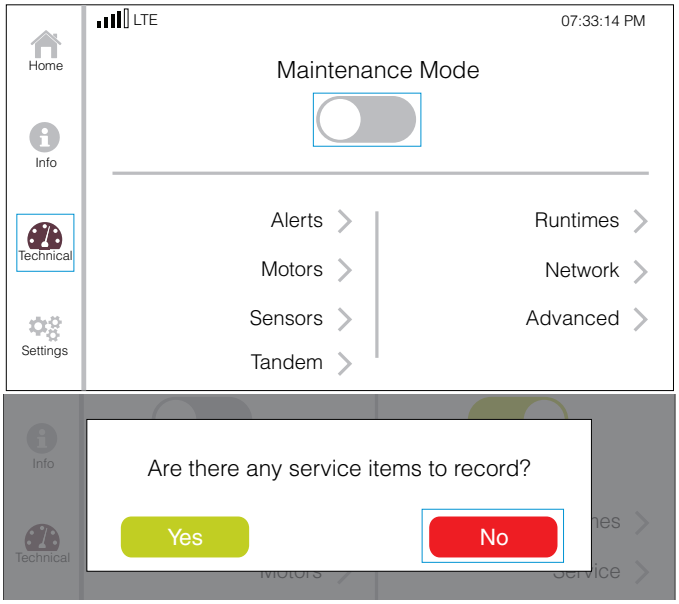


FIGURE 54. DISABLE MAINTENANCE MODE

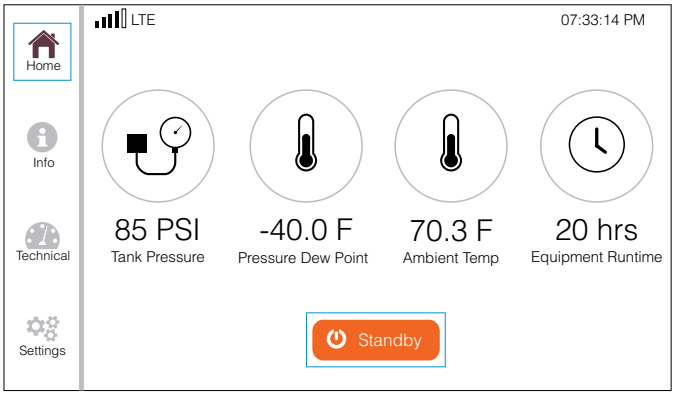


FIGURE 55. PRESS STANDBY

DEPRESSURIZE AIR SYSTEM

1. Push the control panel power switch to the OFF position *(FIGURE 56)*.
2. Close the shut-off valve *(FIGURE 57)*.
3. Open the petcock to drain any air in the tank *(FIGURE 58)*. DO NOT pull the pressure relief valve to depressurize the air system.



FIGURE 56. TURN SYSTEM POWER OFF

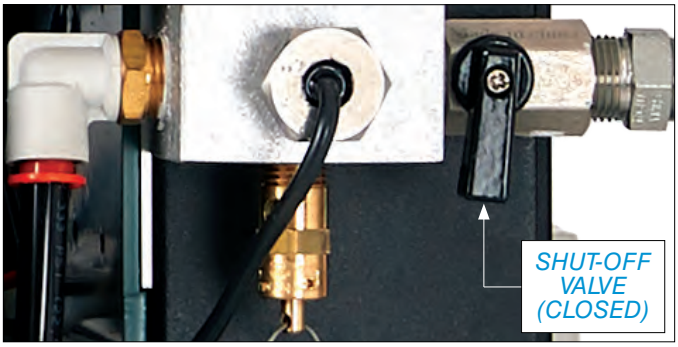


FIGURE 57. CLOSE SHUT-OFF VALVE

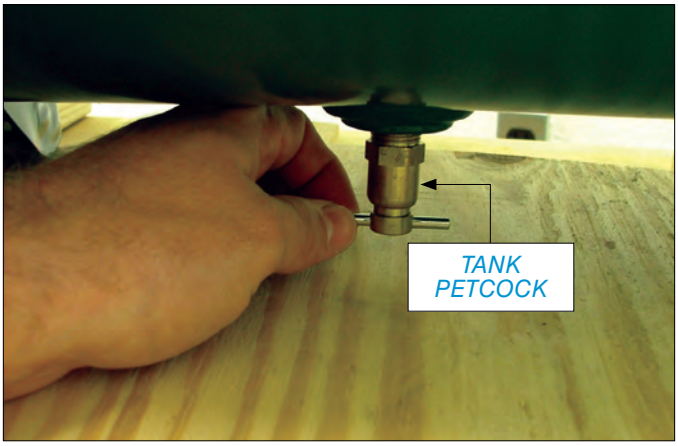


FIGURE 58. OPEN TANK PETCOCK TO DRAIN AIR

REPLACE INTAKE/SILENCER FILTERS & DRYER MUFFLERS

TOOLS REQUIRED

- Flathead Screwdriver
- Torx 20 Screwdriver

On the control panel LCD display, go to the Technical screen. Press *MAINTENANCE MODE (FIGURE 59)*.

NOTE: *Turning on maintenance mode disables remote switching and puts the system in standby mode.*

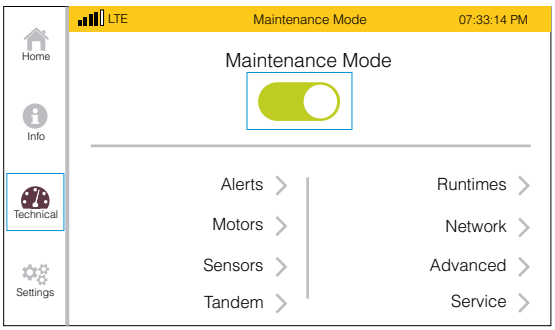


FIGURE 59. ENABLE MAINTENANCE MODE

2 HP COMPRESSOR HEADS (NON-SOUND SHIELD)

1. Locate intake filter assembly attached to compressor head *(FIGURE 60)*.
2. Remove intake filter cap by twisting cap slightly clockwise and pulling *(FIGURE 61)*.
3. Remove intake filter. Note filter orientation. Discard *(FIGURE 62)*.
4. Install replacement intake filter, insuring proper orientation, and replace intake filter cap.

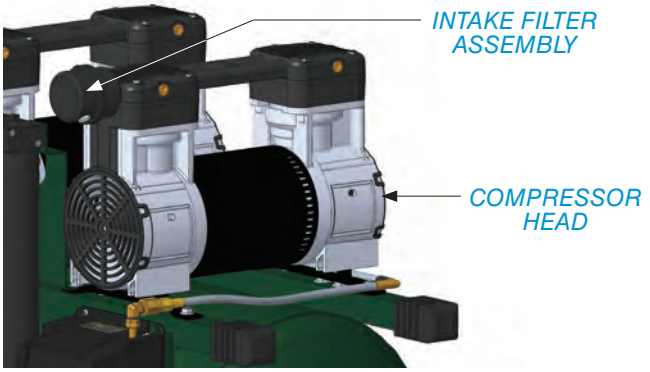


FIGURE 60. LOCATE INTAKE FILTER ASSEMBLY

2 HP COMPRESSOR HEADS (SOUND SHIELD)

Follow instructions provided with replacement kit.



FIGURE 61. REMOVE INTAKE FILTER CAP



FIGURE 62. REMOVE INTAKE FILTER

REPLACE INTAKE/SILENCER FILTERS & DRYER MUFFLERS (CONTINUED)

1/2 & 3/4 HP COMPRESSOR HEADS (NON-SOUND SHIELD)

1. Remove intake filter cap by twisting cap slightly counter-clockwise and pulling *(FIGURE 63)*.
2. Remove intake filter and discard *(FIGURE 64)*.
3. Install replacement intake filter and replace intake filter cap.

1/2 & 3/4 HP COMPRESSOR HEADS (NON-SOUND SHIELD WITH FRESH AIR OPTION)

1. Locate inline intake filter assembly attached to compressor head *(FIGURE 65)*.
2. Remove intake filter cap by twisting cap slightly clockwise and pulling *(FIGURE 66)*.
3. Remove intake filter. Note filter orientation. Discard *(FIGURE 67)*.
4. Install replacement intake filter, insuring proper orientation, and replace intake filter cap.

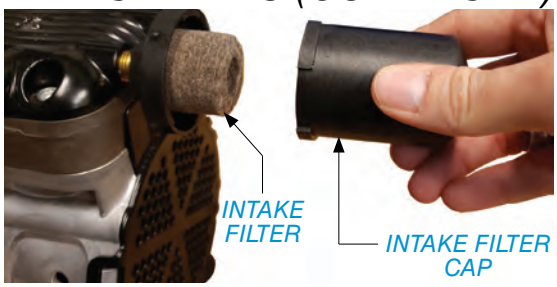


FIGURE 63. REMOVE INTAKE FILTER CAP

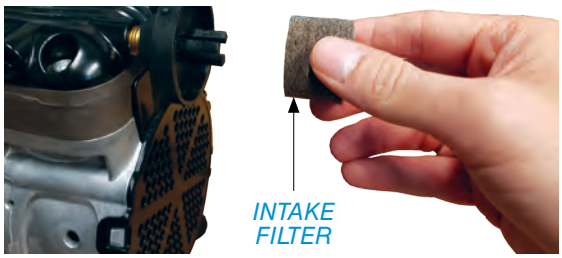


FIGURE 64. REMOVE INTAKE FILTER

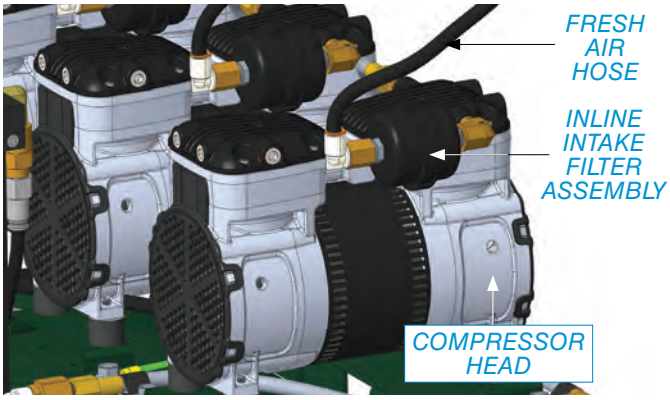


FIGURE 65. LOCATE INLINE INTAKE FILTER ASSEMBLY



FIGURE 66. REMOVE INTAKE FILTER CAP



FIGURE 67. REMOVE INTAKE FILTER

REPLACE INTAKE/SILENCER FILTERS & DRYER MUFFLERS (CONTINUED)

1/2 HP COMPRESSOR HEADS (SOUND SHIELD)

1. Remove four (4) head cover screws using torx 20 screwdriver. Retain for reinstallation. Lift cover off head *(FIGURE 68)*.
2. Locate intake filter on underside of head cover. Wedge flathead screwdriver into the filter from the outside of the head cover to unscrew the intake filter, then discard *(FIGURE 69)*.
3. Install new intake filter. Start tightening by hand, then use screwdriver to finish tightening.
4. Ensure head cover gasket is properly seated in its groove. Place head cover on head, then secure with four (4) retained screws *(FIGURE 70)*.

ALL COMPRESSORS

1. Remove mufflers from two dryer solenoid valves by turning completely out, by hand, then discard *(FIGURE 71)*.
2. Install one new muffler into each dryer solenoid valve, hand tight only.

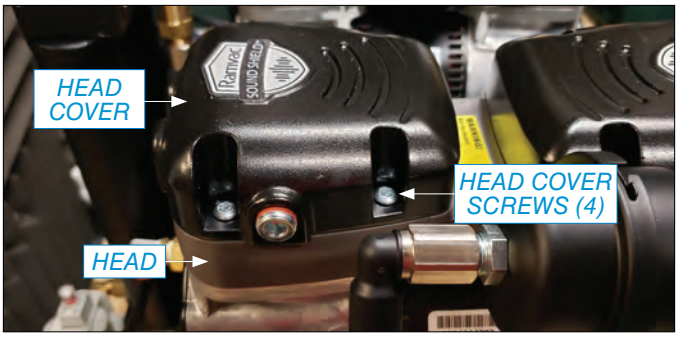


FIGURE 68. REMOVE HEAD COVER

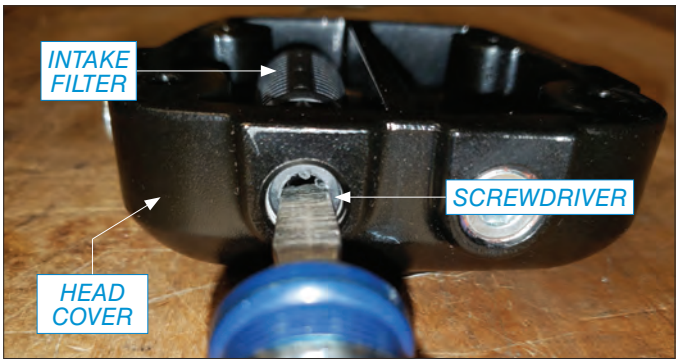


FIGURE 69. UNSCREW INTAKE FILTER



FIGURE 70. REINSTALL HEAD COVER ONTO HEAD

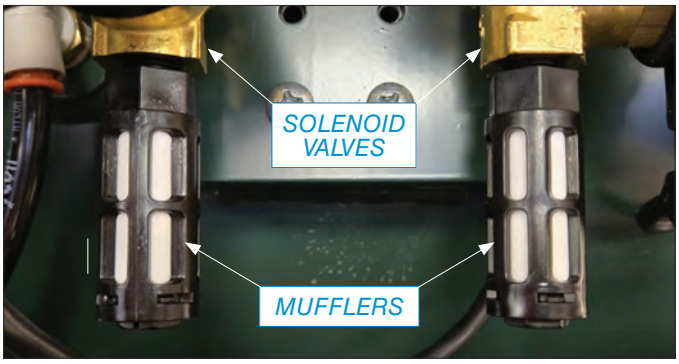


FIGURE 71. REPLACE DRYER MUFFLERS

REPLACE INTAKE/SILENCER FILTERS & DRYER MUFFLERS (CONTINUED)

RETURN COMPRESSOR TO SERVICE

1. On the Technical screen, press *SERVICE > (FIGURE 72)*.
2. On the Service screen, press *FILTER PACK (FIGURE 73)*.
3. On the Filter Pack screen, press *REPLACE*. Press *OK* on the pop-up dialogue box *(FIGURE 74)*.

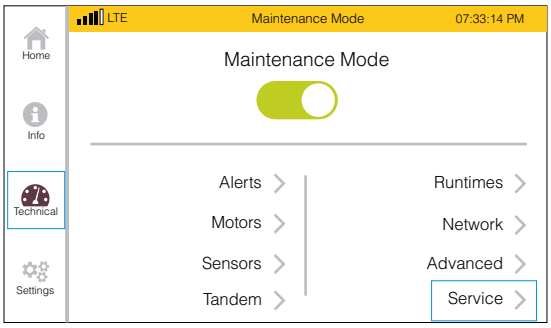


FIGURE 72. PRESS SERVICE >

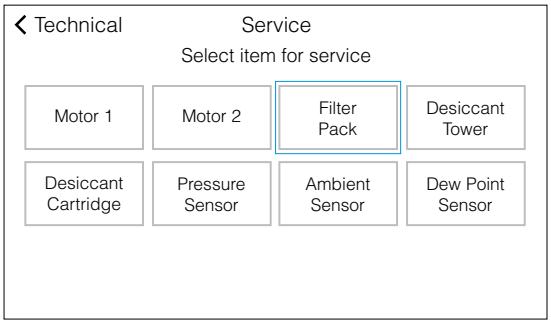


FIGURE 73. PRESS FILTER PACK

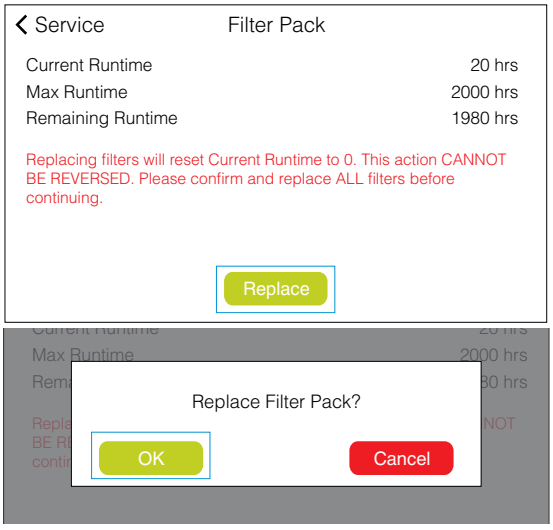


FIGURE 74. PRESS REPLACE; OK

REPLACE INTAKE/SILENCER FILTERS & DRYER MUFFLERS (CONTINUED)

4. On the Technical screen, press and disable *MAINTENANCE MODE (FIGURE 75)*. Press *NO* on the pop-up dialogue box.

   NOTE: *Turning OFF maintenance mode enables remote switching, but does not return the system to ON mode.*

5. On the Home screen, press *STANDBY* to turn the system ON *(FIGURE 76)*.

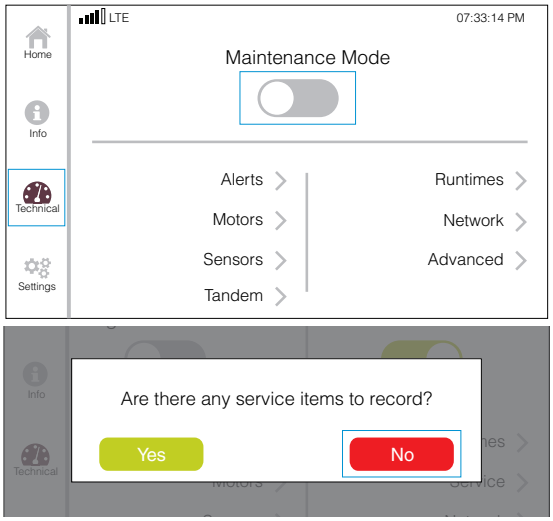


FIGURE 75. DISABLE MAINTENANCE MODE

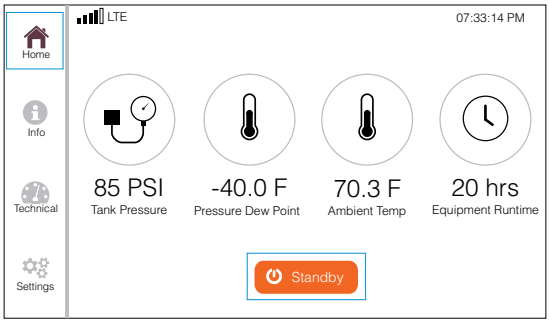


FIGURE 76. PRESS STANDBY

REPLACE COALESCING FILTER

NOTE: *All compressor models use the same coalescing filter.*

1. On the control panel LCD display, go to the Technical screen. Press and enable *MAINTENANCE MODE (FIGURE 77)*.

   NOTE: *Turning on maintenance mode disables remote switching and puts the system in standby mode.*

2. Push tab down and turn coalescing filter bowl slightly right or left to remove *(FIGURE 78A)*.
3. Remove filter by turning completely out.
4. Install new .3 micron filter *(FIGURE 78B)*.
5. Position filter bowl, push up slightly and turn left or right into place. Tab will snap into place.
6. On the Technical screen, press *SERVICE > (FIGURE 79)*.
7. On the Service screen, press *FILTER PACK (FIGURE 80)*.

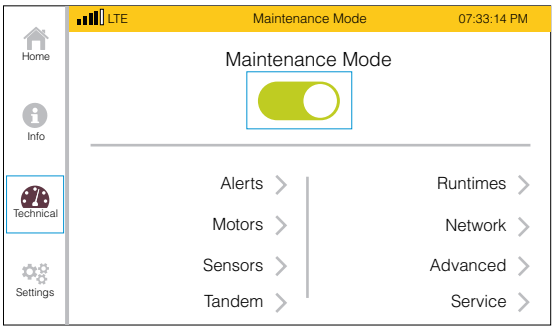


FIGURE 77. ENABLE MAINTENANCE MODE

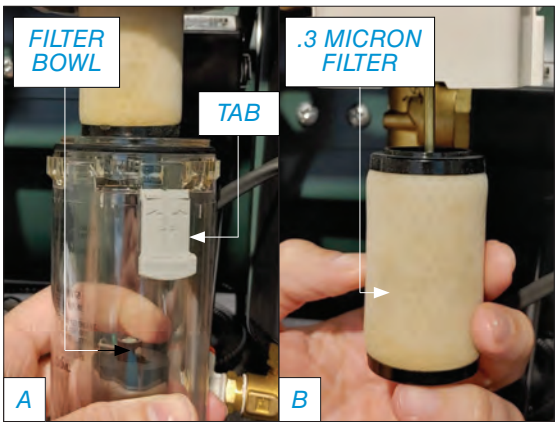


FIGURE 78. REMOVE FILTER BOWL, REPLACE FILTER

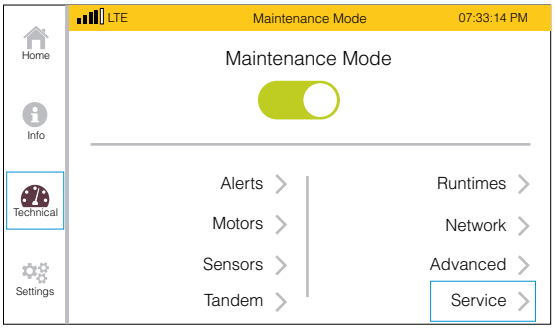


FIGURE 79. PRESS SERVICE >

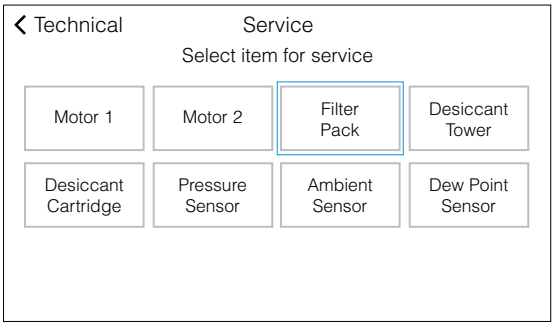


FIGURE 80. PRESS FILTER PACK

REPLACE COALESCING FILTER (CONTINUED)

8. On the Filter Pack screen, press *REPLACE*. Press *OK* on the pop-up dialogue box *(FIGURE 81)*.

9. On the Technical screen, press and disable *MAINTENANCE MODE*. Press *NO* on the pop-up dialogue box *(FIGURE 82)*.

   NOTE: *Turning OFF maintenance mode enables remote switching, but does not return the system to ON mode.*

10. On the Home screen, press *STANDBY* to turn the system ON *(FIGURE 83)*.

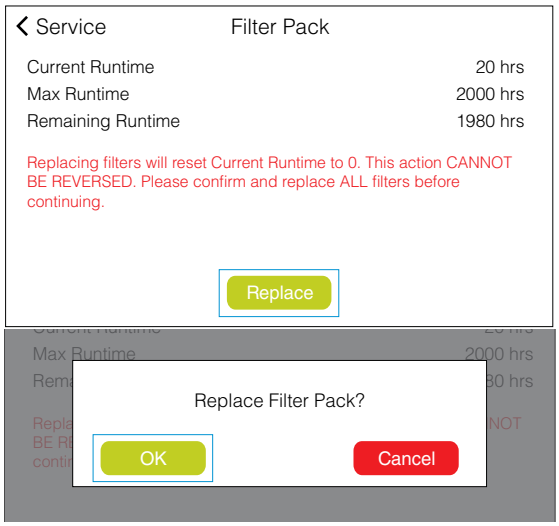


FIGURE 81. PRESS REPLACE; OK

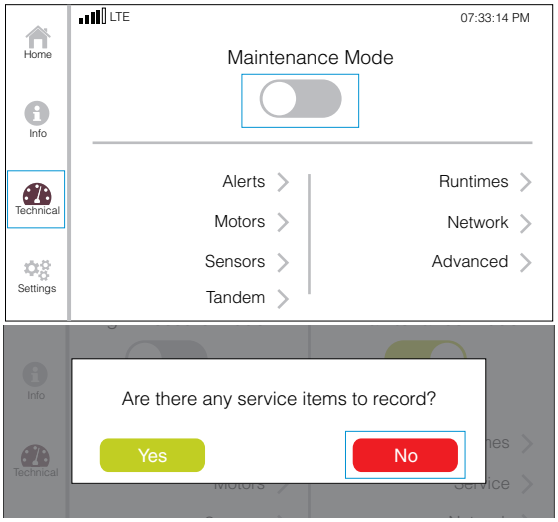


FIGURE 82. DISABLE MAINTENANCE MODE

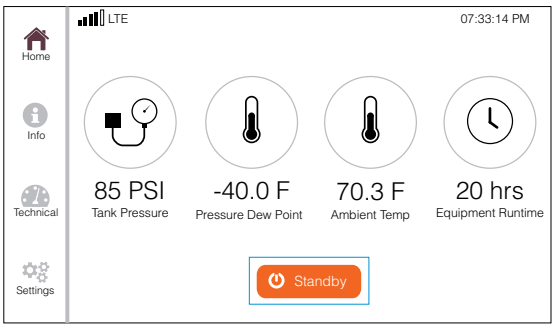


FIGURE 83. PRESS STANDBY

REPLACE PARTICULATE FILTER

NOTE: *All compressor models use the same particulate filter.*

1. On the control panel LCD display, go to the Technical screen. Press and enable *MAINTENANCE MODE (FIGURE 84)*.

   NOTE: *Turning on maintenance mode disables remote switching and puts the system in standby mode.*

2. Bleed air from the system.
3. Push tab down and turn particulate filter bowl slightly right or left to remove *(FIGURE 85A)*.
4. Remove filter by turning completely out.
5. Install new .01 micron filter *(FIGURE 85B)*.
6. Position filter bowl, push up slightly and turn left or right into place. Tab will snap into place.
7. On the Technical screen, press *SERVICE > (FIGURE 86)*.
8. On the Service screen, press *FILTER PACK (FIGURE 87)*.

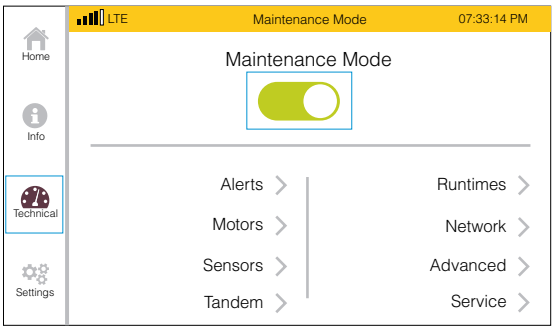


FIGURE 84. ENABLE MAINTENANCE MODE

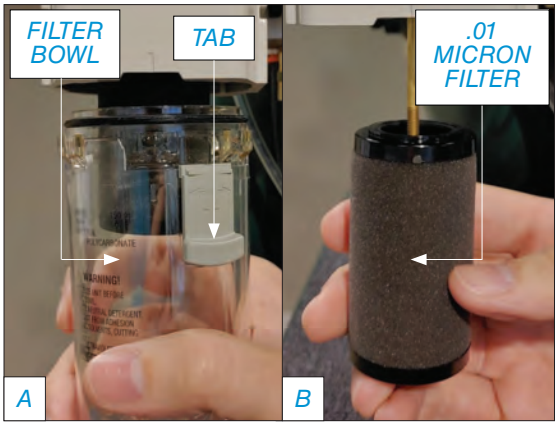


FIGURE 85. REMOVE FILTER BOWL, REPLACE FILTER

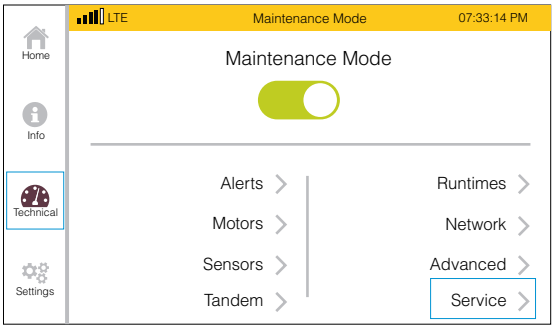


FIGURE 86. PRESS SERVICE >

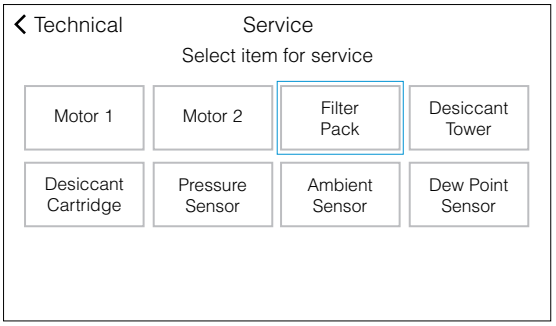


FIGURE 87. PRESS FILTER PACK

Ramvac

REPLACE PARTICULATE FILTER (CONTINUED)

9. On the Filter Pack screen, press *REPLACE*. Press *OK* on the pop-up dialogue box *(FIGURE 88)*.

10. On the Technical screen, press and disable *MAINTENANCE MODE*. Press *NO* on the pop-up dialogue box *(FIGURE 89)*.

    NOTE: *Turning OFF maintenance mode enables remote switching, but does not return the system to ON mode.*

11. On the Home screen, press *STANDBY* to turn the system ON *(FIGURE 90)*.

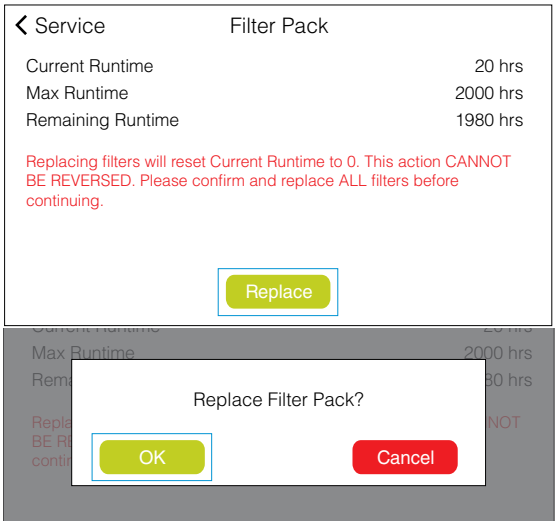


FIGURE 88. PRESS REPLACE; OK

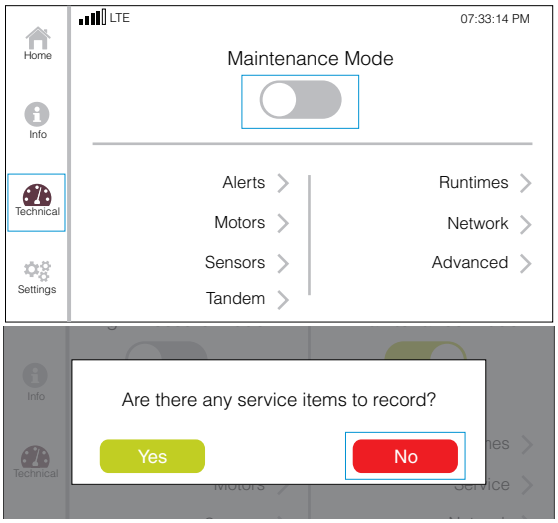


FIGURE 89. DISABLE MAINTENANCE MODE

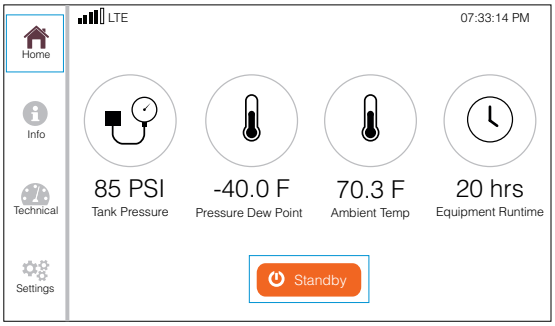


FIGURE 90. PRESS STANDBY

DENTALEZ

SERVICE INSTRUCTION

If the area of concern is not addressed in this manual, contact DENTALEZ customer service at 866-DTE-INFO. (See *LIMITED WARRANTY*.)

Please have the following product information available. Information may be found on the product model/serial number label on the compressor *(FIGURE 91)*:

Product Name:
Model Number:
Serial Number:
Date of Installation:
Dealer:



FIGURE 91. MODEL/SERIAL NUMBER LABEL ON THE COMPRESSOR

DISPOSAL OF EQUIPMENT

DISPOSAL AND DECOMMISSIONING OF DENTALEZ PRODUCTS

NOTE: *All local regulatory requirements for disposal and decommissioning of equipment apply.*

- *ELECTRICAL SALVAGE:* Remove all circuit board and electrical cabling for recycle as electrical salvage.
- *METAL SALVAGE:* Remove all aluminum and steel components for recycle as metal salvage.
- *PLASTIC SALVAGE:* Remove all plastic components for recycle as plastic salvage.
- *BIOLOGICALLY CONTAMINATED SALVAGE:* Cuspidor, waste lines from the cuspidor, and the oral extraction lines should be handled with precaution and disposed of appropriately.
- *NON-SALVAGE COMPONENTS:* All other material unsuitable for recycling should be disposed of properly.

For specific questions regarding material type, contact DENTALEZ customer service. For decommissioning information on associated equipment from other manufacturers, refer to the documentation from the manufacturer.

GUIDANCE AND MANUFACTURER'S DECLARATION – ELECTROMAGNETIC EMISSIONS		
The compressor is intended for use in the electromagnetic environment specified below. The customer or the user of the compressor should assure that it is used in such an environment.		
Emissions Test	Compliance	Electromagnetic Environment Guidance
RF Emissions CISPR 11	Group 1	The compressor uses RF energy only for its internal function; therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF Emissions CISPR 11	Class A	The compressor is suitable for use in all establishments, other than domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic Emissions IEC 61000-3-2	Not Applicable	
Voltage Fluctuations/ Flicker Emissions IEC 61000-3-3	Not Applicable	

GUIDANCE AND MANUFACTURER'S DECLARATION – IMMUNITY ALL ME EQUIPMENT AND ME SYSTEMS			
The compressor is intended for use in the electromagnetic environment specified below. The customer or the end user of the compressor should assure that it is used in such an environment.			
Immunity Test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environment - Guidance
Electrostatic Discharge (ESD) IEC 61000-4-2	±8 kV Contact ±2 kV, ±4 kV, ±8 kV, ±15 kV Air	±8 kV Contact ±2 kV, ±4 kV, ±8 kV, ±15 kV Air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical Fast Transient/Burst IEC 61000-4-4	±2 kV 100 kHz repetition frequency	±2 kV 100 kHz repetition frequency	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	±0.5 kV, ±1 kV Line-to-line ±0.5 kV, ±1 kV, ±2 kV Line-to-ground	±0.5 kV, ±1 kV Line-to-line ±0.5 kV, ±1 kV, ±2 kV Line-to-ground	Mains power quality should be that of a typical commercial or hospital environment.
Voltage Dips, Short Interruptions and Voltage Variations on Power Supply Input Lines IEC 61000-4-11	0% Ut; 0.5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0% Ut; 1 cycle 70% Ut; 25/30 cycles Single phase: at 0° 0% Ut; 250/300 cycle	N/A - compressor is rated for more than 16 amps.	Mains power quality should be that of a typical commercial or hospital environment. If the user of the compressor requires continued operation during power mains interruptions, it is recommended that the compressor be powered from an uninterruptible power supply or a battery.
Power Frequency (50/60 Hz) Magnetic Field IEC 61000-4-8	3 A/m 50/60 Hz	3 A/m 50/60 Hz	Power frequency magnetic fields should that of a typical commercial or hospital environment.

GUIDANCE AND MANUFACTURER'S DECLARATION – IMMUNITY
ME EQUIPMENT AND ME SYSTEMS

The compressor is intended for use in the electromagnetic environment specified below. The customer or the user of the compressor should assure that it is used in such an environment.

Immunity Test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environment - Guidance
Conducted RF IEC 61000-4-6	3 Vrms 6 Vrms (In ISM Bands) 150kHz to 80 MHz	3 Vrms 6 Vrms (In ISM Bands) 150kHz to 80 MHz	Portable and mobile RF communications equipment should be used no closer to any part of the compressor, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance: $d = 1.2 \sqrt{P}$ $d = 1.2 \sqrt{P}$ $d = 2.3 \sqrt{P}$ where *P* is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and *d* is the recommended separation distance in meters (m). Field strengths from fixed RF transmitter, as determined by an electromagnetic site survey[a], should be less than the compliance level in each frequency range[b]. Interference may occur in the vicinity of equipment marked with the following symbol: 
Radiated RF IEC 61000-4-3	80 MHz to 2.7 GHz	3 V/m 80 MHz to 2.7 GHz 80% AM at kHz	

NOTE 1: At 80 MHz and 800 MHz, higher frequency range applies.

NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

a. Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the equipment or system is used exceeds the applicable RF compliance level above, the equipment or system should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the equipment or system.

b. Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

RECOMMENDED SEPARATION DISTANCE BETWEEN PORTABLE AND MOBILE RF COMMUNICATIONS EQUIPMENT AND THE MODEL @ 3VRMS

The compressor is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the compressor can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the compressor as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter m		
	150 kHz to 80 MHz	80 MHz to 800 MHz	800 MHz to 2.5 GHz
	$d = 1.2 \sqrt{P}$	$d = 1.2 \sqrt{P}$	$d = 2.3 \sqrt{P}$
0.01	0.12	0.12	0.23
0.1	0.34	0.34	0.74
1	1.7	1.7	2.3
10	3.7	3.7	7.4
100	11.7	11.7	23.3

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output rating of the transmitter in watts (W) according to the transmitter manufacturer.
NOTE 1: At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.
NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

Test Frequency (MHz)	Band [a] (MHz)	Service [a]	Modulation [b]	Maximum Power (W)	Distance (m)	Immunity Test Level (V/m)
385	380 - 390	TETRA 400	Pulse Modulation [b] 18 Hz	1.8	0.3	27
450	430 - 470	GMRS 460, FRS 460	FM [c] ± 5 kHz Deviation 1 kHz sine	2	0.3	28
710	704 - 787	LTE Band 13, 17	Pulse Modulation [b] 217 Hz	0.2	0.3	9
745						
780						
810	800 - 960	GSM 800/900, TETRA 800, IDEN 820, CDMA 850, LTE Band 5	Pulse Modulation [b] 18 Hz	2	0.3	28
870						
930						
1,720	1,700 - 1,990	GSM 1,800, CDMA 1,900, GSM 1,900, DECT, LTE Band 1, 3, 4, 25, UMTS	Pulse Modulation [b] 217 Hz	2	0.3	28
1,845						
1,970						
2,450	2,400 - 2,570	Blue-tooth, WLAN, 802.11 b/g/n, RFID 2,450 LTE Band 7	Pulse Modulation [b] 217 Hz	2	0.3	28
5,240	5,100 - 5,800	WLAN 802.11 a/n	Pulse Modulation [b] 217 Hz	0.2	0.3	9
5,500						
5,785						

DENTALEZ

NOTES:

Ramvac

COMPRESSOR FROM RAMVAC®

DENTALEZ® and its employees are proud of the products we provide to the dental community. We stand behind these products with a warranty against defects in material and workmanship as provided below and have our own in-house repair facility to service our products. In the event that you experience difficulty with the application or operation of any of our products, please contact our technical service department at our expense at (866) DTE-INFO.

If we cannot resolve the issue by telephone, we will arrange for a representative to contact you or suggest that the product be returned to our factory for inspection.

If product return or repair is required, we will provide you with a **Return Authorization** number and shipping instructions to return the product to the proper facility. If the product is under warranty, we will ask you to provide proof of purchase such as a copy of your invoice. Please be sure to include the **Return Authorization** number on the package you are returning. **Products returned without a return authorization number cannot be repaired.**

Freight costs for product returns are the responsibility of the customer. Products under warranty will be repaired or replaced, at our sole discretion, and returned at our expense. Products outside the warranty limits will be repaired and returned with costs invoiced to the customer. We are not responsible for shipping damages. We will, however, help you file a claim with the freight carrier. Written repair estimates are available.

DENTALEZ warrants all equipment and parts to be free of defects in material and workmanship, under normal usage under the following terms:

Ramvac	Limited Warranty Period*
Compressors	5 Years from date of installation

Please note the following additional terms of our warranty and return policy:

- This warranty covers manufacturing defects only and does not cover defects resulting from abuse, accidents, misuse, improper handling, cleaning, care or maintenance. Damage resulting from the use of chemicals, cleaners, disinfectants or sterilization is not covered under this warranty nor is normal wear and tear. Failure to follow or observe our operating/use, maintenance and/or installation instructions voids this warranty as does the use of non-authorized parts and repairs made by an unauthorized repair facility.
- Liability is limited to repair or replacement of the defective part(s) or products at our sole discretion. All other liabilities, in particular liability for damages, including, without limitation, special, exemplary, consequential or incidental damages are excluded.
- THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NO EMPLOYEE, REPRESENTATIVE OR DEALER IS AUTHORIZED TO CHANGE THIS WARRANTY IN ANY WAY OR TO GRANT ANY OTHER WARRANTY.

WARRANTY REPAIRS

Parts repaired or replaced on a product that is in warranty will be warranted for the duration of that product's original warranty.

PRODUCT RETURNS

Opened products or product returns more than a year old cannot be returned for credit. There will be a 15% ($25.00 minimum) restocking charge on all items authorized for return.

NOTES:

*See individual Product Manuals for complete warranty details. Provided conditions defined in instruction manual are met.

© 2025 DENTALEZ Alabama, Inc. DENTALEZ is a registered trademark of DENTALEZ, Inc. Ramvac is a registered trademark of Ramvac Dental Products, Inc. AERAS, Inc. is a separate corporation from DENTALEZ, Inc.

DENTALEZ EQUIPMENT PRIVACY POLICY

Effective Date: November 1, 2023.

1. **Introduction and Overview.** This Privacy Policy describes how DentalEZ, Inc. its subsidiaries and affiliates (collectively "DentalEZ," "we," "our," or "us") collects, uses, and shares information about you as well as your rights and choices.

   This Privacy Policy applies to your use of the DentalEZ equipment containing the Aeras platform, or similar "smart technology" in such dental or medical equipment and any online service location that posts a link to this Privacy Policy, and all features, content, and other services that we own, control, and make available through such online service location (collectively, the "Service"). By using the Service or our DentalEZ smart equipment, you agree to our Terms of Use ("Terms") and consent to our collection, use and disclosure practices, and other activities as described in this Privacy Policy and the Terms. If you do not agree and consent, discontinue use of the Service and our equipment. If you have any questions or wish to exercise your rights and choices, please contact us as set out in the "Contact Us" section below.

2. **Information Collection.**

   A. Information You Provide.

   We collect information when you use the Service and our DentalEZ smart technology in your dental or medical equipment, including information you provide when you register an account for the Service, update your profile, access our content, test or use equipment, participate in a DentalEZ sweepstakes, contest, survey, special or promotion ("Promotion"), contact DentalEZ customer support or apply for a job with DentalEZ. We may use Service Providers (defined below) to collect information.

   You represent and warrant that you will only provide information and use the Service acting as an employee, owner, director, officer, or contractor of a company, partnership, sole proprietorship, nonprofit or other legal entity (a "Customer"), and that your communications and transactions with DentalEZ occur solely within the context of DentalEZ providing the Service or equipment to the Customer that you represent.

   Information we and our Service Providers on our behalf collect includes the following:

   - **Contact Data**, including your first and last name, email address, office address, phone number, organization name, dental profession and role.
   - **Account Credentials**, including your username, password, and information for authentication and account access.

   You may choose to voluntarily submit other information to us through the Service that we do not request, and, in such instances, you are solely responsible for such information, and we may immediately delete such information, without liability to you.

   B. Information Collected Automatically.

   In addition, we automatically collect information when you use the Service. Information we automatically collect includes the following:

   - **Service Use Data**, including data about the features you use, the pages you visit, the emails and advertisements you view, the products you purchase, the time of day you browse, and your referring and exiting pages.
   - **Device Connectivity and Configuration Data**, including data about the type of device or browser you use, your device's operating software, your internet service provider, your device's regional and language settings, and device identifiers such as IP address, MAC address, and Ad Id (e.g., IDFA or AAID).
   - **Location Data**, including imprecise location data (such as location derived from an IP address, equipment sensor or data that indicates a city or postal code level) and, with your consent, precise location data (such as latitude/longitude data).

- **Equipment Usage and Performance Data**, including performance data collected from sensors connected to the DentalEZ smart technology in your dental or medical equipment, including by not limited to when the equipment is used and for how long, what equipment functions are being used, how the equipment is running, power surges, tank pressure, voltage, oil or water level, maintenance alert, service history, pump intake, runtime and vacuum efficiency, and other kinds of equipment performance data.

We use various tracking technologies to automatically collect information and other data, including the following:

- **Log Files**, which are files that record events that occur in connection with your use of the Service.
- **Cookies**, which are small data files stored on your device that act as a unique tag to identify your browser. We use two types of cookies: session cookies and persistent cookies. Session cookies make it easier for you to navigate our website and expire when you close your browser. Persistent cookies help with personalizing your experience, remembering your preferences, and supporting security features. Additionally, persistent cookies allow us to bring you advertising both on and off the Service. Persistent cookies may remain on your device for extended periods of time, and generally may be controlled through your browser settings.
- **Pixels** (also known as web beacons), which is code embedded in a website, video, email, or advertisement that sends information about your use to a server. There are various types of pixels, including image pixels (which are small graphic images) and JavaScript pixels (which contains JavaScript code). When you access a website, video, email, or advertisement that contains a pixel, the pixel may permit us or a third party to drop or read cookies on your browser. Pixels are used in combination with cookies to track activity by a particular browser on a particular device. We may incorporate pixels from other parties that allow us to track our conversions, bring you advertising both on and off the Service, and provide you with additional functionality, such as the ability to connect our Service with your social media account.
- **Location-Identifying Technologies**, which are technologies used to collect your location. For example, GPS, WiFi, and Bluetooth may be used to collect precise location data. Location data may be used for purposes such as verifying your device's location.

Some information about your use of the Service and other parties' services may be collected using tracking technologies across time and services and used by us and other parties for purposes such as to associate different devices you use, and deliver relevant ads and/or other content to you on the Service and other services.

For further information on tracking technologies and your rights and choices regarding them, see the "Your Rights and Choices" section below.

C. Information from Other Sources.

We also collect information from other sources. To the extent we combine third party sourced information with information we have collected through the Service, we will treat the combined information in accordance with the practices described in this Privacy Policy, plus any additional restrictions imposed by the source of the data. These sources vary over time, but have included:

- **Dealers and/or Service Providers** that sell or provide our equipment to dental offices and you on behalf of your employer.
- **Publicly available sources**, including data in the public domain.

3. Use of Information.

We use information we collect for legitimate business purposes in accordance with the practices described in this Privacy Policy, including to:

- Manage our Service, including registration of your account, provision of access to product literature, and provision of dental equipment with smart technology to manage and monitor the equipment.
- Perform services requested by you, such as scheduling equipment testing and repairs.
- Respond to your comments, questions, requests, and provide customer service.

- Send you technical notices, updates, security alerts, information regarding changes to our policies, and administrative messages.
- Prevent and address fraud, breach of policies or terms, and threats or harm.
- Monitor and analyze trends, usage, activities and failure analysis.
- For research and analysis purposes, including to improve the Service and other DentalEZ websites, marketing efforts, products, equipment and services, and to develop and create new products, equipment and services.
- Develop and send you direct marketing, including advertisements and communications about our and other party's such as our dealers' products, offers, promotions, events, and services.
- Fulfill any other purpose disclosed to you or with your consent.

We may use information we collect to create data and data sets that are not identifiable to you or any individual by aggregating data and/or de-identifying data ("Aggregated Data"). We may use Aggregated Data for any purpose except as prohibited by applicable law. For more information on your rights and choices regarding how we use information about you, please see the "Your Rights and Choices" section below.

1. Sharing of Information.

We share information we collect, including as follows:

- **Service Providers.** We share information with our agents, vendors, dealers, and various other service providers (collectively "Service Providers") in connection with their work on our behalf. Service Providers assist us with services such as payment processing, data analytics, marketing and advertising, website hosting, and technical support to DentalEZ and to you. Service Providers are prohibited from using information about you for any purpose other than to provide this assistance, although we may permit them to use information that does not identify you (including information that has been aggregated or de-identified and equipment performance data) for any purpose except as prohibited by applicable law.
- **Dealers.** We share information with dealers who sell dental or medical equipment and our products , including to enable Dealers to manage and honor Customer equipment warranties, provide repair services to our Customers, and to advertise their services to you.
- **Affiliates.** We may share information with our related entities including our affiliates and related companies. Our Affiliates may use this information to help us provide our Services and equipment and for their own business purposes. For example, we share information with our affiliates who help us manufacture and distribute the DentalEZ smart technology in dental or medical equipment. Our affiliates may also use the information to develop or enhance their own products and services and to promote their own products and services to you.
- **Business Partners.** We may enter into relationships with third party business partners where we license or otherwise disclose data to them to use for their own business purposes. For example, we may license data regarding equipment performance, wear and maintenance to third party equipment manufacturers.
- **Merger or Acquisition.** We may share information in connection with, or during negotiations of, any proposed or actual merger, purchase, sale or any other type of acquisition or business combination of all or any portion of our assets, or transfer of all or a portion of our business to another business.
- **Security and Compelled Disclosure.** We may share information to comply with the law or other legal process, and where required, in response to lawful requests by public authorities, including to meet national security or law enforcement requirements. We also share information in accordance with the applicable laws in order to protect the rights, property, life, health, security and safety of DentalEZ, DentalEZ personnel, the Service or any third party.
- **Consent.** We may share information to fulfill any other purpose disclosed to you or with your consent.

Notwithstanding the above, we may share information that does not identify you (including information that has been aggregated or de-identified and equipment performance data) with third parties except as prohibited by applicable law. For information on your rights and choices regarding how we share information about you, please see the "Your Rights and Choices" section below.

2. Your Rights and Choices.

A. Account Information.

You may access or update certain information that you have provided to us through your account by visiting your account settings or sending an email to the email address set out in the "Contact Us" section below or by contacting your dealer directly. We may require additional information from you to allow us to confirm your identity. Please note that we will retain and use information about you as necessary to provide the Service, comply with our legal obligations, resolve disputes, and enforce our agreements.

B. Tracking Technology Choices.

- **Cookies and Pixels.** Most browsers accept cookies by default. You can instruct your browser, by changing its settings, to decline or delete cookies. If you use multiple browsers on your device, you will need to instruct each browser separately. Your ability to limit cookies is subject to your browser settings and limitations.
- **Do Not Track.** Your browser settings may allow you to automatically transmit a "Do Not Track" signal to online services you visit. Note, however, there is no industry consensus as to what site operators should do with regard to these signals. Accordingly, unless and until the law is interpreted to require us to do so, we do not monitor or take action with respect to "Do Not Track" signals or other mechanisms. For more information on "Do Not Track," visit http://www.allaboutdnt.com.

Please be aware that if you disable or remove tracking technologies some parts of the Service may not function correctly.

C. Analytics.

Our Service contains tracking technologies owned and operated by other parties. For example, we use tracking technologies from analytics providers to help us analyze your use of the Service, compile statistic reports on the Service's activity, and provide us with other services relating to Service activity and internet usage.

D. Communications.

- E-mails. By registering for an account to use the Service, it is implied that you consent to us sending emails to you about the Service, the status of your account and information about your equipment. As such, we may send emails to the email address you provide for transactional and promotional purposes in regard to the Service, the status of your account and your equipment. You can opt-out of receiving certain promotional emails from us at any time by following the instructions as provided in emails to click on the unsubscribe link or emailing us at the email address set out in the "Contact Us" section below with the word UNSUBSCRIBE in the subject field of the email. Please note that you cannot optout of non-promotional emails, such as those about your account, transactions, servicing, or DentalEZ's ongoing business relations.
- Text Messages. You can opt-out of receiving text messages to your phone number at any time by (i) for text messages, texting "STOP" in response to any text message you receive from us or contacting us as set out in the "Contact Us" section below and specifying you want to opt-out of text messages; and (ii) for calls, requesting opt-out during any call you receive from us or contacting us as set out in the "Contact Us" section below and specifying you want to opt-out of calls.

Please note that your opt-out is limited to the email address, phone number and device used and will not affect subsequent subscriptions.

3. Your California Privacy Rights.

Under California Civil Code Section 1798.83, also known as California's "Shine the Light" law, California residents with whom we have an established business relationship are entitled to request and receive, free of charge, once per calendar year, information about certain personal information we shared, if any, with other businesses for their own direct marketing uses in the previous calendar year. To request a copy, please contact us as set out in the "Contact Us" section below. Requests must include "California Privacy Rights Request" in the first line of the description and include your name, street address, city, state, and ZIP code. Please be aware that not all information sharing is covered by the "Shine the Light" law requirements and only information on covered sharing will be included in our response.

1. Your Canadian Privacy Rights.

If you are a resident of Canada, you may be entitled to additional rights regarding your personal information, including: (i) the right to withdraw consent to processing of your personal information where consent is the basis of processing; (ii) the right to access your personal information and certain other supplementary information, under certain conditions; (iii) the right to challenge improper processing of your personal information, under certain conditions; (iv) the right to demand that we restrict the use or disclosure of your personal information, under certain conditions, if you believe we have exceeded the legitimate basis for such use or disclosure, use or disclosure is no longer necessary, or believe your personal information is inaccurate; and (v) the right to lodge a complaint with applicable Canadian data protection authorities. If you want to learn more about your rights under Canadian law or our privacy practices, you may contact our Privacy Officer (see the “Contact Us” section below).

2. Children.

The Service is intended for a general audience and not directed to children under eighteen (18) years of age. DentalEZ does not knowingly collect personal information of children under the age of thirteen (13). If you are a parent or guardian and believe DentalEZ has collected such information in a manner not permitted by law, please contact us as set out in the “Contact Us” section below, and we will remove such data to the extent required by law.

3. Data Security.

We implement and maintain reasonable administrative, physical, and technical security safeguards to help protect information about you from loss, theft, misuse and unauthorized access, disclosure, alteration and destruction. Nevertheless, transmission via the internet is not completely secure and we cannot guarantee the security of information about you that is transmitted over the internet.

4. International Transfer.

We are based in the U.S. and the information we collect is stored and processed in the U.S. and is therefore subject to U.S. law. If you are accessing the Service from outside of the U.S., please be aware that information collected through the Service may be transferred to, processed, stored, and used in the U.S. Data protection laws in the U.S. and other jurisdictions may be different from those of your country of residence. Your use of the Service or provision of any information therefore constitutes your consent to the transfer to and from, processing, usage, sharing, and storage of information about you in the U.S. and other jurisdictions as set out in this Privacy Policy

5. Changes to this Privacy Policy.

We reserve the right to revise and reissue this Privacy Policy at any time. Any changes will be effective immediately upon posting of the revised Privacy Policy. Your continued use of our Service indicates your consent to the Privacy Policy then posted. If the changes are material, we may provide you additional notice to your email address.

6. Contact Us.

If you have any questions or comments about this Privacy Policy, our data practices, or our compliance with applicable law, please contact us:

By email:

DentalEZIOT@DentalEZ.com

By mail:

Attention: Privacy Officer
310 Lindenwood Drive, Suite 100
Malvern, PA 19355

DENTALEZ TERMS OF USE FOR EQUIPMENT WITH SMART TECHNOLOGY

Effective Date: January 1, 2025.

1. Introduction and Overview.

These Terms of Use ("Online Terms") set forth a legally binding agreement between DENTALEZ, Inc., DentalEZ Alabama, Inc., DTE Oregon, Inc., their subsidiaries and affiliates (collectively "DentalEZ", "we", "our", or "us") and the person or entity identified on the order form or other Service (as defined below) subscription purchase document ("Customer"). These Online Terms govern your access to and use of the DentalEZ "smart technology" contained in certain DentalEZ dental equipment as well as any service that posts a link to these Terms or integrates with certain DentalEZ smart technology contained in certain DentalEZ dental equipment that Customer may have purchased from us or through your local dealer, and all features, content, and other services that we own, control and make available through such online service (collectively, the "Service").

You hereby represent and warrant that you will access and use the Service acting in your capacity as an employee, owner, director, officer, or contractor of a Customer, and that your communications and transactions with DentalEZ occur solely within the context of DentalEZ providing the Service to the Customer that you represent. As such, you hereby represent and warrant that you have the authority to bind such Customer to these Online Terms (in which case "you" or "your" will refer to you and such Customer). By initiating the first use of the Service, you the User acknowledge and agree upon the entire contents of these Online Terms.

In some instances, both these Online Terms and separate terms that we make available to you through the Service or through your local dealer will apply to your use of the Service (the "Additional Terms" and collectively, with the Online Terms, the "Terms"). To the extent there is a conflict between these Online Terms and any applicable Additional Terms, the Additional Terms will control unless they expressly state otherwise.

By accessing or using the Service, you agree to these Terms, and agree to our collection, use and disclosure practices, and other activities as described in our Privacy Policy, as amended from time to time (the "Privacy Policy). If you do not agree to these Terms and our posted Privacy Policy, you must discontinue your use of the Service (and this is your sole remedy).

2. Service Use.

A. About the Service.

Subject to these Terms, the Service may enable you to register and create an Account (defined below), view certain data collected by the sensors in your DentalEZ smart technology enabled equipment, use the configuration manager software to manage your DentalEZ smart technology equipment settings, install software updates on your DentalEZ smart technology enabled equipment, manage access to the Service and communicate with DentalEZ regarding the use and operation of your DentalEZ smart technology enabled equipment. The Service is available at no charge for the first year from the date of the installation of the equipment. After the one-year period, the equipment manufacturer reserves the right to charge for the Service. You will have the option to turn off the Service at that time.

B. Content.

The Service contains: (i) materials and other items relating to DentalEZ and its products and services, and similar items from our licensors and other third parties, including all layout, information, databases, articles, posts, text, data, files, images, scripts, designs, graphics, instructions, illustrations, photographs, sounds, pictures, videos, advertising copy, URLs, technology, software, software documentation, interactive features, the "look and feel" of the Service, and the compilation, assembly, and arrangement of the materials of the Service and any and all copyrightable material; (ii) trademarks, logos, trade names, trade dress, service marks, and trade identities of various parties, including those of Aeras; and (iii) other forms of intellectual property (all of the foregoing, collectively "Content"). All right, title, and interest in and to the Service and the Content, as well as all derivative works thereof, are owned by us or our licensors or service providers, and are protected by U.S., Canadian and international copyright, trademark, trade dress, patent and/or other intellectual property and unfair competition rights and laws to the fullest extent possible.

C. Limited License.

Subject to your strict compliance with the Terms, DentalEZ grants you a limited, non-exclusive, revocable, non-assignable, personal, and non-transferable license to download, display, view, use, and play the Content on a

personal computer, browser, laptop, tablet, mobile phone, or other internet enabled device (each, a “Device”), in each case for your personal, non-commercial use only. The foregoing limited license (i) does not give you any ownership of, or any other intellectual property interest in, any Content, and (ii) may be suspended or terminated for any reason, in DentalEZ’ sole discretion, and without advance notice or liability. Your unauthorized use of the Content may violate copyright, trademark, privacy, publicity, communications, and other laws, and any such use may result in your personal liability, including potential criminal liability.

D. Accounts.

Certain features of the Service may require you to register an account, including access to equipment performance data associated with your DentalEZ smart technology enabled equipment purchased directly from DentalEZ, a third-party equipment manufacturer or through your local dealer (“Account”). When registering an Account or using DentalEZ smart technology enabled equipment, you agree to: (i) provide true, accurate, current, and complete information; (ii) maintain and update this information to keep it true, accurate, current, and complete; (iii) protect your Account log-in credentials so as to prevent unauthorized access to your Account or equipment; (iv) not share your Account or log-in credentials with any third party or transfer your Account to any third party; and (v) immediately notify us of any suspected or actual unauthorized use of your Account, equipment or breach of security. Your right to access and use the Service is not transferable by you to any other third party. You are solely responsible for all activities that occur under your Account, whether or not you authorized the activity, and we are not liable for any loss or damage to you or any third party arising from your failure to comply with any of the foregoing obligations.

E. Restrictions.

You may not use the Service unless you are at least eighteen (18) years old and are fully able and competent to agree to and comply with the Terms (in their entirety). If you accept the Terms, you represent that you have the capacity to be bound by them.

You may not: (i) use the Service or Content for any political purpose; (ii) engage in any activity in connection with the Service or Content that is unlawful, harmful, offensive, sexually explicit, obscene, violent, threatening, harassing, abusive, falsely representative of your persona, invasive of someone else’s privacy, or otherwise objectionable to DentalEZ; (iii) harvest or scrape any information from the Service or Content; (iv) reverse engineer or modify the Service or Content; (v) interfere with the proper operation of or any security measure used by the Service or Content; (vi) infringe any intellectual property or other right of any third party; (vii) use the Service or Content in a manner that suggests an unauthorized association or is beyond the scope of the limited license granted to you; or (viii) otherwise violate the Terms including these Online Terms and any applicable Additional Terms.

You agree to comply with all local, state, federal, national, foreign, supranational, and international laws, statutes, ordinances, regulations, treaties, directives, and agreements that apply to your use of the Service and Content.

F. Availability.

DentalEZ may suspend or terminate the availability of the Service and Content, in whole or in part, to any Account, individual user or all users, for any reason (including, a failure to pay Service subscription fees when due), in DentalEZ’ sole discretion, and without advance notice or liability. Upon suspension or termination of your access to the Service, or upon notice from DentalEZ, all rights granted to you under the Terms will cease immediately, and you agree that you will immediately discontinue use of the Service and Content.

G. Reservation of Rights.

All rights not expressly granted to you are reserved by DentalEZ and its licensors and other third parties. No right or license may be construed, under any legal theory, by implication, estoppel, industry custom, or otherwise. Any unauthorized use of the Content or Service for any purpose is prohibited.

H. Data

The Service may enable the collection of data relating to Customer’s use of the Service and Equipment through sensors, the Service features described in Section 7 and information that is transmitted, uploaded and/or submitted to the Service by Customer and its employees, owners, directors, officers, and contractors, including usage information such as logins, button-presses, and maintenance history and records (“Customer Data”). As between DentalEZ and Customer, Customer is the owner of the Customer Data. Customer hereby grants DentalEZ a worldwide, nonexclusive, transferable, sublicensable, perpetual, irrevocable, fully paid up and royalty free right and license to use, reproduce, prepare derivative works of, distribute, perform, display, arrange, de-

identify, create Aggregated Data (as defined below) from, and otherwise exploit for DentalEZ' business purposes, any Customer Data, and to use the know-how and analytical results resulting therefrom in connection with the enhancement, improvement, and provision of Service and derivatives thereof, provided that DentalEZ shall disclose Customer Data that is identifiable to Customer or any individual only as permitted in our Privacy Policy.

You understand that you will not receive any fees, sums, consideration, or remuneration for any of the rights granted in this Section. You waive any and all rights and claims in connection with our use of, or development of any product, content, or other materials using in whole or in part, Customer Data. You represent and warrant that you own or have the necessary rights, licenses, consents, and permissions to grant us the rights granted in this Section.

I. Aggregated Data.

For the purposes of these Online Terms and the Privacy Policy: "Aggregated Data" means data, including data derived from Customer Data, that does not identify you (including information that has been manipulated, de-identified or combined to provide generalized or anonymous information).

As between the you and DentalEZ, DentalEZ owns all right, title and interest in and to Aggregated Data. DentalEZ may use or share Aggregated Data for any purpose including developing, providing, enhancing, and improving the Service, DentalEZ equipment and DentalEZ' other current and future online and offline products and services.

1. Submissions.

When you submit any unsolicited ideas, feedback, opinions, techniques, images, sounds, videos, or other content to us through or relating to the Service ("Submissions"), you grant us a non-exclusive, unrestricted, unconditional, unlimited, worldwide, irrevocable, perpetual, transferable and cost-free right and license to host, store, use, display, reproduce, modify, adapt, edit, combine with other materials, publish, distribute, create derivative works from, promote, exhibit, broadcast, syndicate, sublicense (including, without limitation, to third party media channels, platforms, and distributors), publicly perform, publicly display, and otherwise use and exploit in any manner whatsoever, or grant third parties the right to do any of the foregoing, all or any portion of your Submissions, for any purpose whatsoever in all formats, on or through any means or medium now known or hereafter developed, and with any technology or devices now known or hereafter developed, and to advertise, market, and promote the same. You further irrevocably grant us the right, but not the obligation, to use your name in connection with your Submissions. You also agree to waive any right of approval for our use of the rights granted herein and agree to waive any moral rights that you may have in any Submissions, even if it is altered or changed in a manner not agreeable to you. To the extent not waivable, you irrevocably agree not to exercise such rights in a manner that interferes with any exercise of the granted rights.

You understand that you will not receive any fees, sums, consideration, or remuneration for any of the rights granted in this Section. Our receipt of your Submissions is not an admission of their novelty, priority, or originality, and it does not impair our right to existing or future intellectual property rights relating to your Submissions. You waive any and all rights and claims in connection with our consideration, use, or development of any product, content, or other materials similar or identical to your Submission now or in the future.

You represent and warrant that you own or have the necessary rights, licenses, consents, and permissions to grant us the rights granted in this Section. You alone, though, retain whatever legally cognizable right, title, and interest that you have in your Submission and remain responsible for them.

2. Products.

We do our best to describe every product or service offered on our Service as accurately as possible. However, we are human, and therefore we do not warrant that product specifications, pricing, or other content on the Service is complete, accurate, reliable, current, or error-free. In the event of any errors relating to the pricing or specifications, DentalEZ shall have the right to refuse or cancel any orders in its sole discretion. If we charged your credit card or other Account prior to our cancellation, we will issue a credit to your Account in the amount of the charge. Additional Terms may apply. If a product or service you purchased from DentalEZ is not as described, your sole remedy is to cancel the purchase and receive a credit for the purchase price.

For any purchases made through dealers or resellers, please contact their customer support. Their terms, conditions and policies, and not ours, apply and we do not handle returns or refund requests for purchases through those third-party platform providers.

1. Customer Support; Notice.

If you have any questions or comments, please send an e-mail to us at DentalEZIOT@DentalEZ.com. You acknowledge that the provision of support is at DentalEZ' sole discretion and that we have no obligation to provide you with customer support of any kind. All legal notices to us must be mailed to: 301 Lindenwood Drive, Suite 100, Malvern Pennsylvania19355. When you communicate with us electronically, you consent to receive communications from us electronically. You agree that all agreements, notices, disclosures, and other communications that we provide to you electronically satisfy any legal requirement that such communications be in writing.

2. Other Services.

Our Service contains content from and hyperlinks to websites, locations, platforms, and services operated and owned by other parties ("Other Services"). We may also integrate Other Services technologies into our Service and host our content on Other Services. These Other Services are not owned, controlled, or operated by us, and you acknowledge and agree that we are not responsible or liable for the information, content, products, technologies, or services on or available from such Other Services, or for the results to be obtained from using them. These Other Services are made available as a convenience only and are not part of the "Service" or subject to any of the warranties (whether express or implied) or other obligations with respect to Service hereunder. DentalEZ has no obligation to monitor or maintain Other Services and may disable or restrict access to any Other Services at any time without notice.

If you choose to access, transact with, or otherwise interact with any such Other Services, you do so at your own risk. Your access to and use of any Other Services is solely determined by the relevant third-party provider and may be subject to such additional terms and conditions applicable to such Other Services. You are solely responsible for maintaining appropriate accounts in good standing with the Other Services providers. Aeras will have no liability or other obligation to you for such Other Services or your content or data exported to Other Services, including but not limited to any unavailability of any Other Services, or any third-party provider's decision to discontinue, suspend or terminate any Other Services.

In addition, by using or enabling any Other Services, you are expressly permitting DentalEZ to disclose your content, data or other information to the extent necessary for the Service to interoperate with, or for you to utilize, the Other Services. We are not responsible for any disclosure, modification or deletion of your content, data or other information resulting from access by, or transmission to, any Other Service. For more information on Other Services, see our Privacy Policy.

3. Service Features.

A. Wireless Features.

The Service may offer features that are available to you via your wireless Device including the ability to access the Service's features and upload content to the Service (collectively, "Wireless Features"). By using the Service, you agree that DentalEZ may collect information related to your use of the Wireless Features as described in our Privacy Policy, and may change, alter, or modify the settings or configurations on your Device in order to allow for or optimize your use of the Service. Data rates and other carrier fees may apply.

B. Location-Based Features.

If you have location-based features on your wireless Device, you acknowledge that your Device location will be tracked and shared consistent with the Privacy Policy. You can terminate location tracking by us by adjusting the permissions in your Device. Location-based features are used at your own risk and location data may not be accurate.

C. Communications.

(i) E-mails: By registering for an Account, it is implied that you consent to us sending you emails about the Service and the status of your Account. As such, we may send emails to the email address you provide for transactional and promotional purposes in regard to the Service and the status of your Account. You have the right to opt-out of receiving certain promotional e-mails about the Service or your Account from us at any time by following the instructions as provided in e-mails to click on the unsubscribe link or contacting us at

DentalEZIOT@DentalEZ.com with the word UNSUBSCRIBE in the subject field of the e-mail. We will unsubscribe your email from promotional e-mails sent by us within 10 business days of our receipt of your opt-out request. Your opt-out of promotional emails will not affect nonpromotional e-mails, such as those about your Account, transactions, servicing, or DentalEZ' ongoing business relations with you.

(ii) Text Messages: We may send you reoccurring text messages to the phone number you provide for transactional and promotional purposes in regard to the Service, your Account or DentalEZ products and services. You understand that your consent is not required as a condition of purchase, and that you can opt-out of receiving certain promotional text messages from us at any time by:

- for text messages, texting "STOP" in response to any text message you receive from us or contacting us at DentalEZIOT@DentalEZ.com and specifying you want to opt-out of text messages; and
- for calls, requesting opt-out during any call you receive from us or contacting us at DentalEZIOT@DentalEZ.com and specifying you want to opt-out of calls. For text messages, you can also text "HELP" at any time for more information. We will unsubscribe your phone number from reoccurring texts messages from us within 10 business days of our receipt of your opt-out request. You understand that you may receive a text message confirming any opt-out by you. Standard message, data, and other fees may be charged by your carrier, and carriers may deduct charges from pre-paid amounts or data allowances, for which you are responsible. Not all phone and/or carriers are supported. Contact your carrier for further details.

Please note that any opt-out by you is limited to the e-mail address, phone number and device used and will not affect subsequent subscriptions.

4. Agreement to Arbitrate and Choice of Law.

PLEASE READ THIS SECTION CAREFULLY – IT MAY SIGNIFICANTLY AFFECT YOUR LEGAL RIGHTS, INCLUDING YOUR RIGHT TO FILE A LAWSUIT IN COURT AND TO HAVE A JURY HEAR YOUR CLAIMS. IT CONTAINS PROCEDURES FOR MANDATORY BINDING ARBITRATION AND A CLASS ACTION WAIVER.

A. We Both Agree to Arbitrate.

You and DentalEZ agree to resolve any claims relating to these Terms through final and binding arbitration, except to the extent you have in any manner violated or threatened to violate DentalEZ' intellectual property rights (for example, trademark, trade secret, copyright, or patent rights). Under such circumstances DentalEZ may bring a lawsuit solely for injunctive relief to stop unauthorized use or abuse of the Service, or intellectual property infringement (for example, trademark, trade secret, copyright, or patent rights) without first engaging in arbitration or the informal dispute-resolution process described herein.

B. What is Arbitration.

Arbitration is more informal than a lawsuit in court and seeks to resolve disputes more quickly. Instead of a judge or a jury, the case will be decided by a neutral arbitrator who has the power to award the same damages and relief that a court can. If any provision of this arbitration agreement is found unenforceable, the unenforceable provision shall be severed, and the remaining arbitration terms shall be enforced.

C. Arbitration Procedures.

The Federal Arbitration Act governs the interpretation and enforcement of this dispute resolution provision. Arbitration shall be initiated through JAMS. Any dispute, controversy, or claim arising out of or relating to these Terms shall be referred to and finally determined by arbitration in accordance with the JAMS Streamlined Arbitration Rules and Procedures in front of one arbitrator. If there is a conflict between JAMS Rules and the rules set forth in these Terms, the rules set forth in this Terms will govern. The JAMS Rules and instructions for how to initiate an arbitration are available from JAMS at http://www.jamsadr.com or 1-800-352-5267. To initiate arbitration, you or DentalEZ must do the following things:

(1) Write a demand for Arbitration. The demand must include a description of the Claim and the amount of damages sought to be recovered. You can find a copy of a demand for Arbitration at www.jamsadr.com.

(2) Send three copies of the demand for Arbitration, plus the appropriate filing fee to: JAMS to your local JAMS office or to JAMS, Two Embarcadero Center, Suite 1500, San Francisco, CA 94111.

(3) Send one copy of the demand for Arbitration to the other party.

Payment of all filing, administration and arbitrator fees will be governed by the JAMS Rules. Arbitration under this agreement shall be held in the United States in Pennsylvania, under Pennsylvania law without regard to its conflict of laws provisions. If traveling to Pennsylvania is a burden, you may participate in the arbitration by phone or via document submission to the fullest extent allowable by the arbitrator. Each party will bear their own costs of arbitration unless the arbitrator directs that bearing such costs would be an undue burden and, in that case, we will pay for your portion of the arbitration administrative costs (but not your attorneys' fees). The arbitration may award on an individual basis the same damages and relief as a court (including injunctive relief). Any judgment on the award rendered by the arbitrator may be entered in any court of competent jurisdiction.

D. Authority of Arbitrator.

The arbitrator will decide the rights and liabilities, if any, of you and DentalEZ, and the dispute will not be consolidated with any other matters or joined with any other cases or parties. The arbitrator shall have the authority to grant motions dispositive of all or part of any claim. The arbitrator shall have the authority to award monetary damages and to grant any non-monetary remedy or relief available to an individual under applicable law, the Arbitration Rules, and the Terms. The arbitrator shall issue a written award and statement of decision describing the essential findings and conclusions on which the award is based, including the calculation of any damages awarded. The arbitrator has the same authority to award relief on an individual basis that a judge in a court of law would have. The award of the arbitrator is final and binding upon you and Aeras.

E. Waiver of Class Actions.

You waive any right to pursue an action on a class-wide basis against us and may only resolve disputes with us on an individual basis and may not bring a claim against us as a plaintiff or a class member in a class, consolidated, or representative action. Class arbitrations, class actions, private attorney general actions, and consolidation with other arbitrations are not allowed.

F. Waiver of Jury Trial.

EACH PARTY ACKNOWLEDGES AND AGREES THAT ANY CONTROVERSY THAT MAY ARISE UNDER THE TERMS IS LIKELY TO INVOLVE COMPLICATED AND DIFFICULT ISSUES AND THEREFORE THE PARTIES HEREBY IRREVOCABLY AND UNCONDITIONALLY WAIVE ANY RIGHT THEY MAY HAVE (INCLUDING ANY CONSTITUTIONAL AND STATUTORY RIGHTS) TO GO TO COURT AND HAVE A TRIAL IN FRONT OF A JUDGE OR A JURY, instead electing that all claims and disputes arising in connection with these Terms shall be resolved by arbitration. Arbitration procedures are typically more limited, more efficient and less costly than rules applicable in court. In the event any litigation should arise between you and DentalEZ in any state or federal court in a suit to vacate or enforce an arbitration award or otherwise, YOU AND DENTALEZ WAIVE ALL RIGHTS TO A JURY TRIAL, instead electing that the dispute be resolved by a judge alone.

YOU ACKNOWLEDGE THAT YOU HAVE BEEN ADVISED THAT YOU MAY CONSULT WITH AN ATTORNEY IN DECIDING TO ACCEPT THIS AGREEMENT TO ARBITRATE.

G. Choice of Law/Forum Selection.

In any circumstances where the Agreement to Arbitrate Disputes permits the parties to litigate in court, these Terms shall be governed by and construed in accordance with the laws of the State of Pennsylvania, excluding its conflict of law rules. You further expressly consent and agree to submit to the exclusive jurisdiction and venue of a court of competent jurisdiction located in Pennsylvania.

1. Disclaimer of Representations and Warranties.

YOUR USE OF THE SERVICE AND ALL CONTENT FORMING PART OF OR RELATED TO THE SERVICE INCLUDING ANY OTHER SERVICES, ARE AT YOUR SOLE RESPONSIBILITY AND RISK. THE SERVICE IS PROVIDED TO YOU ON AN "AS IS," "AS AVAILABLE," AND "WITH ALL FAULTS" BASIS. TO THE MAXIMUM EXTENT PERMITTED BY LAW, NEITHER DENTALEZ NOR ANY OF ITS OFFICERS, DIRECTORS, MANAGERS, EMPLOYEES OR AGENTS (COLLECTIVELY, THE "DENTALEZ PARTIES") MAKE, AND THE DENTALEZ PARTIES EXPRESSLY DISCLAIM, ANY REPRESENTATIONS, WARRANTIES, CONDITIONS OR ENDORSEMENTS OF ANY KIND WHATSOEVER WITH RESPECT TO THE SERVICE, THE CONTENT OR OTHER SERVICES, WHETHER EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, OR ARISING FROM COURSE OF DEALING, COURSE OF PERFORMANCE OR USAGE OF TRADE, INCLUDING THE

IMPLIED WARRANTIES OR CONDITIONS OF TITLE, NONINFRINGEMENT, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, ACCURACY, COMPLETENESS, QUIET ENJOYMENT, FREEDOM FROM COMPUTER VIRUS AND THE RESULTS YOU MAY OBTAIN BY USING THE SERVICE. BY ACCESSING OR USING THE SERVICE YOU REPRESENT AND WARRANT THAT YOUR ACTIVITIES ARE LAWFUL IN EVERY JURISDICTION WHERE YOU ACCESS OR USE THE SERVICE.

2. Limitations of Our Liability.

TO THE MAXIMUM EXTENT PERMITTED BY LAW, IN NO EVENT SHALL THE DENTALEZ PARTIES BE LIABLE TO YOU OR ANY THIRD PARTY ACTING ON YOUR BEHALF FOR ANY LOSS, DAMAGE OR INJURY OF ANY KIND INCLUDING ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, EXEMPLARY, CONSEQUENTIAL OR PUNITIVE LOSSES OR DAMAGES, OR DAMAGES FOR SYSTEM FAILURE OR MALFUNCTION OR LOSS OF PROFITS, DATA, USE, BUSINESS OR GOOD-WILL, OR THE COST OF ANY SUBSTITUTE EQUIPMENT, FACILITIES OR SERVICES (EVEN IF DENTALEZ PARTIES HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES), ARISING OUT OF OR IN CONNECTION WITH (A) THE SERVICE, (B) THESE TERMS OR (C) YOUR MISUSE OF THE SERVICE OR ANY CONTENT AVAILABLE ON OR THROUGH THE SERVICE. THE LIMITATIONS SET FORTH IN THIS SECTION SHALL APPLY REGARDLESS OF THE FORM OF ACTION, WHETHER THE ASSERTED LIABILITY OR DAMAGES ARE BASED ON CONTRACT, INDEMNIFICATION, TORT, STRICT LIABILITY, STATUTE OR ANY OTHER LEGAL OR EQUITABLE THEORY. IF UNDER ANY CIRCUMSTANCES THE AERAS PARTIES ARE FOUND LIABLE TO YOU OR ANY EMPLOYEE, OWNER, DIRECTOR, OFFICER, CONTRACTOR OR THIRD PARTY ACTING ON YOUR BEHALF AND IF THE DISCLAIMER OF DAMAGES HEREUNDER IS NOT ENFORCED FOR ANY REASON, THE DENTALEZ PARTIES' MAXIMUM AGGREGATE LIABILITY FROM ALL CLAIMS UNDER OR RELATED TO THESE TERMS IS LIMITED TO ONE HUNDRED DOLLARS ($100). TO THE EXTENT ANY APPLICABLE LAW DOES NOT ALLOW THE EXCLUSION OR THE LIMITATION OF LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, THE DENTALEZ PARTIES' LIABILITY WILL BE LIMITED TO THE FURTHEST EXTENT PERMITTED BY LAW.

NOTWITHSTANDING THE FOREGOING, THESE DISCLAIMERS HEREIN DO NOT EXCLUDE ANY PRODUCT LIABILITY CLAIMS, STATUTORY CONSUMER RIGHTS, DAMAGES ASSOCIATED WITH PERSONAL INJURY OR RESULTING FROM AERAS INTENTIONAL MISCONDUCT, RECKLESSNESS, FRAUD, OR GROSS NEGLIGENCE.

3. Indemnification.

You agree to defend, indemnify and hold harmless the DentalEZ Parties from and against any and all claims, liabilities, damages, losses, costs and expenses (including, reasonable attorneys' fees and costs) arising out of or in connection with any of the following:

(i) your breach or alleged breach of these Terms;

(ii) your Submissions;

(iii) your misuse of the Service;

(iv) your violation of any laws, rules, regulations, codes, statutes, ordinances or orders of any governmental or quasi-governmental authorities;

(v) your violation of the rights of any third party, including any intellectual property right, publicity, confidentiality, property or privacy right;

(vi) your use of Other Services; or

(vii) any misrepresentation made by you. DentalEZ reserves the right to assume, at your expense, the exclusive defense and control of any matter subject to indemnification by you. You agree to cooperate with DentalEZ' defense of any claim. You will not in any event settle any claim without the prior written consent of DentalEZ.

This provision does not require you to indemnify us for any unconscionable commercial practice by us or for our fraud, deception, false promise, misrepresentation or concealment, suppression or omission of any material fact in connection with the Service.

4. Waiver of Injunctive or other Equitable Relief.

TO THE MAXIMUM EXTENT PERMITTED BY LAW, YOU AGREE THAT YOU WILL NOT BE PERMITTED TO OBTAIN AN INJUNCTION OR OTHER EQUITABLE RELIEF OF ANY KIND, SUCH AS ANY COURT OR OTHER

ACTION THAT MAY INTERFERE WITH OR PREVENT THE DEVELOPMENT OR EXPLOITATION OF ANY WEBSITE, APPLICATION, CONTENT, SUBMISSIONS, PRODUCT, SERVICE, OR INTELLECTUAL PROPERTY OWNED, LICENSED, USED OR CONTROLLED BY DENTALEZ OR A LICENSOR OF DENTALEZ.

1. Updates to Terms.

We reserve the right, at any time in our sole discretion, to modify or replace any part of the Terms or Privacy Policy, without prior notice. You agree that we may notify you of any updated Terms or Privacy Policy by posting them on the Service so that they are accessible via a link from the home page, and/or to send you an e-mail to the last e-mail address you provided to us. All such changes are effective immediately when we post them, or such later date as may be specified in the notice of updated Terms or Privacy Policy. If you object to any such changes, your sole recourse is to cease using the Service. Your continued use of the Service will be deemed irrevocable acceptance of any such revisions. Before you continue, you should print and/or save a local copy of the Terms and our Privacy Policy for your records.

2. General Provisions.

A. You May Cancel Your Account.

You may cancel your Account at any time through the Service or by emailing DentalEZIOT@DentalEZ.com or by contacting your dealer directly. These are the only ways to cancel your Account. Phone requests to cancel your Account will not be accepted. You acknowledge that cancelling your Account will not prevent your equipment from collecting or sending certain equipment performance data to us or dealers sharing information with us in accordance with our Privacy Policy.

B. Data Deletion at Cancellation or Termination.

DentalEZ is under no obligation to store any data or information you submit, upload, or make available to us through the Service and DentalEZ reserves the right to delete your Account and information immediately upon cancellation or termination.

C. Consent or Approval.

No DentalEZ consent or approval may be deemed to have been granted by DentalEZ without being in writing and signed by an officer of DentalEZ.

D. Survival.

The provisions of the Terms, which by their nature should survive termination of your use of the Service, including sections on Service Use (except for the limited license), Unsolicited Submissions, Copyright Infringement, Subscriptions and Products, Customer Support, Other Services, Service Features, Agreement to Arbitrate Disputes and Choice of Law, Disclaimer of Representations and Warranties, Limitations of Our Liability, Indemnification, Waiver of Injunctive or Other Equitable Relief, Updates to Terms, and General Provisions, will survive.

E. Severability; Interpretation; Assignment.

If any provision of the Terms, including these Online Terms or any applicable Additional Terms, is for any reason deemed invalid, unlawful, void, or unenforceable, then that provision will be deemed severable from the Terms, and the invalidity of the provision will not affect the validity or enforceability of the remainder of the Terms. You hereby waive any applicable statutory and common law that may permit a contract to be construed against its drafter. The summaries of provisions and section headings are provided for convenience only and shall not limit the full Terms. DentalEZ may assign its rights and obligations under the Terms, in whole or in part, to any party at any time without any notice. The Terms may not be assigned by you, and you may not delegate your duties under them, without the prior written consent of an officer of DentalEZ.

F. Complete Agreement; No Waiver.

The Terms and the Privacy Policy reflect our complete agreement regarding the Service and supersede any prior agreements, representations, warranties, assurances or discussion related to the Service. Except as expressly set forth in the Terms, (i) no failure or delay by you or DentalEZ in exercising any of rights, powers, or remedies under will operate as a waiver of that or any other right, power, or remedy, and (ii) no waiver or modification of any term of the will be effective unless in writing and signed by the party against whom the waiver or modification is sought to be enforced.

G. International Issues.

DentalEZ controls and operates the Service from the U.S., and DentalEZ makes no representation that the Service is appropriate or available for use beyond the U.S. You agree that the United Nations Convention on Contracts for the International Sale of Goods does not apply to the Terms or to any sale of goods carried out as a result of your use of the Service. Software related to or made available by the Service may be subject to export controls of the U.S., and, except as authorized by law, you agree and warrant not to export or re-export the software to any county, or to any person, entity, or end-user subject to U.S. export controls or sanctions.

H. Investigations; Cooperation with Law Enforcement.

DentalEZ reserves the right to investigate and prosecute any suspected breaches of the Terms or the Service. DentalEZ may disclose any information as necessary to satisfy any law, regulation, legal process, or governmental request.

I. California Consumer Rights and Notices.

Residents of California are entitled to the following specific consumer rights information: you may contact the Complaint Assistance Unit of the Division of Consumer Services of the Department of Consumer Affairs by mail at: 1625 North Market Blvd., Suite N 112, Sacramento, California 95834, or by telephone at (916) 445-1254. Their website is located at: http://www.dca.ca.gov.

3. Contact Us.

If you have any questions or comments about the Terms, please contact us:

By email:

DentalEZIOT@DentalEZ.com

By mail:

Attention: Privacy Officer
310 Lindenwood Drive, Suite 100
Malvern, PA 19355

DENTALEZ

DENTALEZ Alabama, Inc.
2500 Highway 31 South
Bay Minette, AL 36507

T: 866-DTE-INFO

DENTALEZ.COM

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