



E4000 L.O.C.K. Software Licensing Instructions



Caution - This electronic device is sensitive to damage from ESD (electrostatic discharge). Observe the following precautions when servicing this device.

Electronic devices with exposed connectors are highly susceptible to damage by electrostatic discharge (ESD). Anyone performing field service on Red Seal Measurement electronic devices must observe the following precautions.

1. Always use a static-dissipative wrist strap. Connect the strap to a grounded, conductive surface or to the metal chassis of the equipment under repair. Use only wrist straps that incorporate a resistor for user safety. The resistance between the user and ground should be between 800K ohms to 10 ohms. Do not wear a wrist strap around exposed electrical hazards of more than 250 volts.
2. If a wrist strap is not available, ground yourself before touching electronics by touching the metal chassis of the equipment or another grounded surface. Repeat frequently while working.
3. If available, use a static-dissipative work mat. Connect the mat to ground and the wrist strap to the mat.
4. Avoid contacting the connectors or any exposed electronic component.
5. Work away from materials that may contribute to the generation of static electricity, such as synthetic carpeting.
6. Minimize your movements to avoid building up static charge.
7. Avoid working on electronics in areas with very low humidity.
8. Do not work on electronics during periods of lightning activity.
9. Do not ship or store this device near strong electrostatic, electromagnetic, magnetic, or radioactive fields.

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This document outlines the steps to take to unlock the Advanced Features of E4000 sw. v. EA.01.23.E or higher and EA.02.12.X, once flashed into the register per O&M manual, M-303-7.

About the Advanced Features Screen:

This screen has been added to the W&M/MISC menu to generate the E4000 Code and to enter the license key. Once in this screen, there are three options to choose: NO, GENERATE, and REGISTER.

NO – This option returns back to the top of the W&M/MISC menu

GENERATE – This option goes directly to the screen that generates the E4000 code. Every time this option is selected, a new code will be generated.

REGISTER – This option goes to screen used to enter the license key (E4000 Unlock Code).



Start-up Menu



Advanced Features Screen

Step 1 - To Generate E4000 Code:

Selecting and entering GENERATE causes the E4000 to generate the CALL IN code. This is a 5 digit random number (Ex. 45292).

This number is the E4000 code to provide RSM to generate the licensing key.

The CALL IN code (E4000 code) will not change unless Generate is selected and entered again.



Step 2 – Sending in the E4000 Code:

Send the Call-In Code to support@redsealmeasurement.com to receive the licensing key.

CAUTION NOTE: Do Not Enter GENERATE again once the Call-In code has been submitted. Doing so will invalidate the license for the register's Advanced Features and require that a new Call-In code be submitted.

Step 3 - Unlocking the Advanced Features:

Once the license key is received from Red Seal Measurement, return to the ADVANCED FEATURES screen. Select and enter into the REGISTER option.

The top line will display the previously generated CALL IN code and the license E4000 Unlock Code is to be entered on the bottom line using the ^ & > buttons. Press the enter button once the number is entered in its entirety.



If the license E4000 Unlock Code is entered incorrectly, the screen will display "ADVANCED FEATURES ENABLED" for approximately 5 seconds. Please verify the code and re-enter.



If the license E4000 Unlock Code is entered correctly, the screen will display "ADVANCED FEATURES DISABLED" for approximately 5 seconds. The screen will return to the top of the W&M menu and the Advanced Feature screen will be hidden.



Advanced Features are disabled:

When Advanced Features are LOCKED the E4k will not log events (power on/off or the status of the covers). Multiple compartments and the manual temperature calibration features will be functional.



Advanced Features are enabled:

The startup message displays NEPTUNE LOCK when the ADVANCED FEATURES (event logging) are enabled.