



MULTI-TEC®/LC6000 Free Cooling Unit System

Quick Start Guide

This quick start guide is designed to lead the installer through the steps necessary for setting up the MULTI-TEC/LC6000 Free Cooling Unit System. See the latest versions of MULTI-TEC/LC6000 System Installation Instructions 2100-676, MULTI-TEC Service Instructions 2100-665 or LC6000 Service Instructions 2100-669 for more detailed information on the installation, service and maintenance of the MULTI-TEC/LC6000 system.

The LC6000 controller and TEC-EYE™ hand-held diagnostic tool will both be used in this installation. The TEC-EYE diagnostic tool is shipped inside the controller. Use password 1313.

SYSTEM SET-UP

Set up and configuration must be done to each wall-mount unit using the TEC-EYE hand-held diagnostic tool. Use the LC6000 controller for the remaining steps.

IMPORTANT: When working with circuit board components, Bard recommends the use of an anti-static wrist strap to prevent static electricity shorts to electronic controls.

Address each wall unit and select unit zone and unit of measure (UOM)

The address of the unit being looked at will be listed in the upper right hand corner on the status screen. The available addresses are 1-14.

1. Connect TEC-EYE to wall-mount unit.
2. Press MENU key to access the Main Menu screen.
3. Press UP or DOWN keys and ENTER key to enter password 1313.
4. Press UP or DOWN keys to scroll to **Sys Config**; press ENTER key.
5. Press ENTER key to scroll to **Unit Address**.
6. Press UP or DOWN keys to change address to value between 1 and 14.

NOTE: Each unit must have a unique address for the communication to work properly. Bard also recommends labeling each unit for ease in identification.

7. Press ENTER key to save and scroll to **Unit Zone**.
8. If desired, press UP or DOWN keys to change the value to the desired zone.
9. Press ENTER key to scroll to **UOM**.
10. If desired, press UP or DOWN keys to change the value from **USA** to **SI**, **NC**, **LON**, **CAN** or **UK**. Units are preconfigured for each selection.
11. Press ENTER key to save.

Execute a run test on each unit to verify the equipment is functioning correctly (TEC-EYE)

1. Use UP or DOWN keys to scroll to **Run Test A11** screen.
2. Press ENTER key to scroll to **Run Test Enable** parameter.
3. Use UP or DOWN key to change value to **ON**. The run test will begin.

See Installation Instructions 2100-676 if additional information on run testing units is needed.

Clear unit alarm logs

To clear the wall-mount unit alarm logs:

1. Press MENU key to go to the Main Menu screen.
2. Use UP or DOWN keys and ENTER key to enter password 1313.
3. Press UP or DOWN keys to scroll to **Settings**; press ENTER key.
4. Press UP or DOWN keys to scroll to **Initialization**; press ENTER key.
5. Press UP or DOWN keys to scroll to **Initialization 1/5**; press ENTER key.
6. Press ENTER key to scroll to **Delete Alarm Logs?**
7. Press UP or DOWN key to value to **YES**; press ENTER key.

After first unit has been set up and configured, follow the above steps to set up and configure the remaining units.

Set LC Controller Timezone and Date/Time (LC Controller)

1. Press MENU key to access the Main Menu screen.
2. Use UP or DOWN keys and ENTER key to enter password 1313.
3. Press the UP or DOWN keys to scroll to the **Settings** menu; press ENTER key.
4. Press UP or DOWN keys to scroll to **Date/Time** menu; press ENTER key.
5. Press ENTER key to scroll to the desired value to be changed.

6. Press UP or DOWN keys to change the value.
7. Press ENTER key to save.
8. Press the ESCAPE key several times to return to Main Menu screen.

Configure sensors (LC Controller)

The LC is capable of utilizing four temperature sensors and three humidity sensors. The controller must be configured to match the sensors for the shelter. The available sensors are Zone 1 Indoor Humidity, Zone 2 Indoor Humidity, Zone 3 Indoor Humidity, Zone 1 Indoor Temperature, Zone 1 Remote Temperature, Zone 2 Remote Temperature and Zone 3 Remote Temperature.

The Zone 1 Indoor Humidity and Zone 1 Indoor Temperature sensors are enabled by default. The additional indoor humidity and indoor temperature sensors are disabled by default.

See Installation Instructions 2100-676 if information is needed on configuring (enabling/disabling) sensors.

If necessary, the sensors could be calibrated at this time too. For information on calibrating the sensors, see page 42 in manual 2100-676.

See LC6000 Service Instructions manual 2100-669 for information on setting up the smoke, hydrogen and generator relays (if applicable).

Enter total number of units (LC Controller)

1. Press MENU key to go to the Main Menu screen.
2. Use UP or DOWN keys and ENTER key to enter password 1313.
3. Press UP or DOWN keys to scroll to **Sys Config**; press ENTER key.
4. Press UP or DOWN keys to scroll to **General**; press ENTER key.
5. Press ENTER key to scroll to **Total Units**.
6. Press UP or DOWN keys to adjust value to correct number of units.
7. Press ENTER key to save.
8. Press ESCAPE key until back at Main Menu.

Verify units are online (LC Controller)

Once a unit is uniquely addressed, communication can be verified at the LC controller.

With the correct number of units set at the LC controller, each unit can be remotely viewed from the LC controller information screen.

To view these screens:

1. Press ESCAPE key to view the Status screen. (May need to be pressed more than once.)
2. Press UP or DOWN key until the Quick Menu in the lower right corner of the screen displays the Information icon (); press ENTER key.
3. Press UP or DOWN keys to scroll through the Information screens until the desired unit Information screen appears.

In addition to being able to remotely view the units, an alarm will be generated on the LC controller for units not communicating.

Clear controller alarm logs (LC Controller)

To clear the LC controller alarm logs:

1. Press MENU key to go to the Main Menu screen.
2. Use UP or DOWN keys and ENTER key to enter password 1313.
3. Press UP or DOWN keys to scroll to **Settings**; press ENTER key.
4. Press UP or DOWN keys to scroll to **Initialization**; press ENTER key.
5. Press ENTER key to scroll to **Delete Alarm Logs?**
6. Press UP or DOWN key to value to **YES**; press ENTER key.
7. Press ESCAPE key several times to return to Main Menu screen.

Once all the installation steps have been completed, all alarms and alarm logs have been cleared and system verification and run test results were satisfactory, the installation can now be considered “complete”.