

MSA Chillgard® L and RT Series Refrigerant Monitors with BACnet Capabilities Quick Start Guide

MSA's Chillgard LC, LE, and RT Series Refrigerant Monitors offer BACnet compatibility, achievable via an external Gateway provided by Industrial Control Communications, Inc. This connection outputs standard BACnet through both Chillgard Monitor RS-485 ports. BACnet protocol allows for non-intrusive gas concentration monitoring and alarm status.

Complete Chillgard Refrigerant Monitors with BACnet systems can be ordered through MSA's Custom Products group. Visit www.msanorthamerica.com for details or call MSA Customer Service at **1-800-MSA-INST**.

For complete information on the Chillgard Monitor/Gateway system, including data mapping and interaction, please refer to the XLTR-1000 Gateway instruction manual (section 9.6) found at www.iccdesigns.com.

No Configuration is Necessary

Data is automatically mapped into database upon protocol selection.

◆ Fixed Network Characteristics:

- 76800 baud
- 8 data bits
- 1 start bit
- 1 stop bit
- No parity

◆ Additional Permissible Connections:

- With MSA remote display module
- With MSA remote relay module

◆ Gateway Power

Connect Chillgard RT Monitor 12V supply via J14 terminals 1 (+12V) and 3 (GND) to POWER and GND Gateway terminals, respectively.

- Connect MSA monitors to the Gateway selected RS-485 port using a twisted-pair cable, connected as shown in **Figure 1**.
- Connect + (RS-485 to optional relay module terminal block for Chillgard LC and LE Monitors) or + / **A** (J15 terminal **2** or **4** for terminal of MSA monitor to Gateway terminal **A**, - (RS-485 to optional relay module terminal block for Chillgard LC and LE Monitors) or - / **B** (J15 terminal **1** or **3** for Chillgard RT Monitor) terminal **B** and ground terminal **G** (RS-485 to optional relay module terminal block for Chillgard LC and LE Monitors) or **GND** (J14 terminal **3** for Chillgard RT Monitor) terminal to terminal **GND**.
- Also install jumper wires connecting terminal **A** to terminal **Y**, and terminal **B** to terminal **Z** on Gateway.

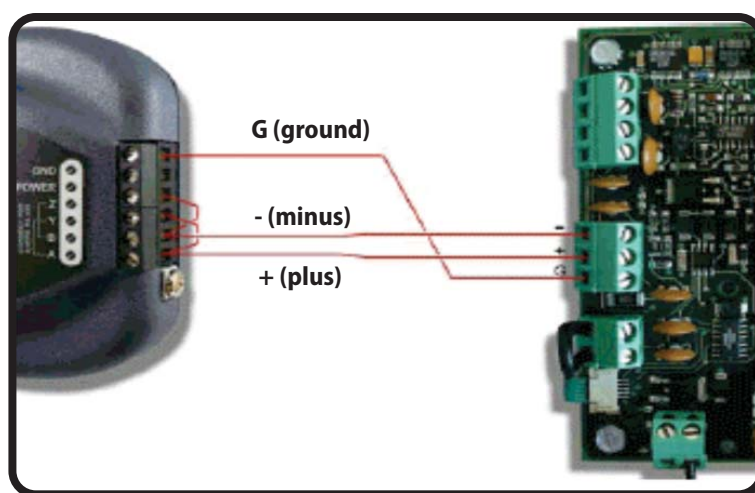


Figure 1

▲WARNING

This quick start guide provides only a brief description of the operating instructions for Chillgard Series Refrigerant Monitors BACnet system setup. Users of these instruments must be fully aware of limitations and instructions supplied in the Chillgard Series Refrigerant Monitor operating instruction manuals. Failure to follow the instructions may lead to serious personal injury or death.