

BURK TECHNOLOGY

WIRING INTERFACE

QUICK INSTALLATION GUIDE

CONNECTING A WIRING INTERFACE

The Wiring Interface uses push-on blocks to simplify the connection of metering and status inputs to your GSC3000 I/O or VRC2500 unit. No soldering is required. Two wiring interfaces are needed for a GSC3000 I/O 16 and a VRC2500. For a GSC3000 I/O 8 only, one Wiring Interface is used.

Voltage Inputs

The Wiring Interface is designed for status inputs of $\pm 30\text{VDC}$ and metering inputs of $0\text{-}10\text{VDC}$ or -5 to $+5\text{VDC}$ (specified when you configure the channel in Lynx). Metering samples should be at least 2VDC to provide accurate readings. If the sample voltage is too small, a large calibration constant is required and may result in widely fluctuating readings.

Floating Grounds

The GSC3000 and VRC2500 units will not tolerate a floating ground. If any of your inputs has a floating ground, use an isolation amplifier before connecting it to the Wiring Interface.

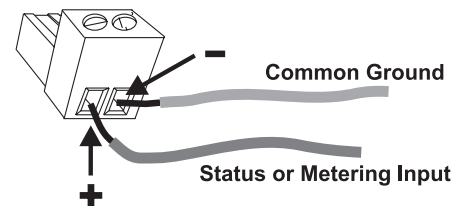
Connecting Input Channels

To connect inputs:

1. If you have two Wiring Interfaces, you must designate one for status and one for metering channels. For GSC3000 I/O 8 units only, the Wiring Interface will be used for both metering and status inputs.

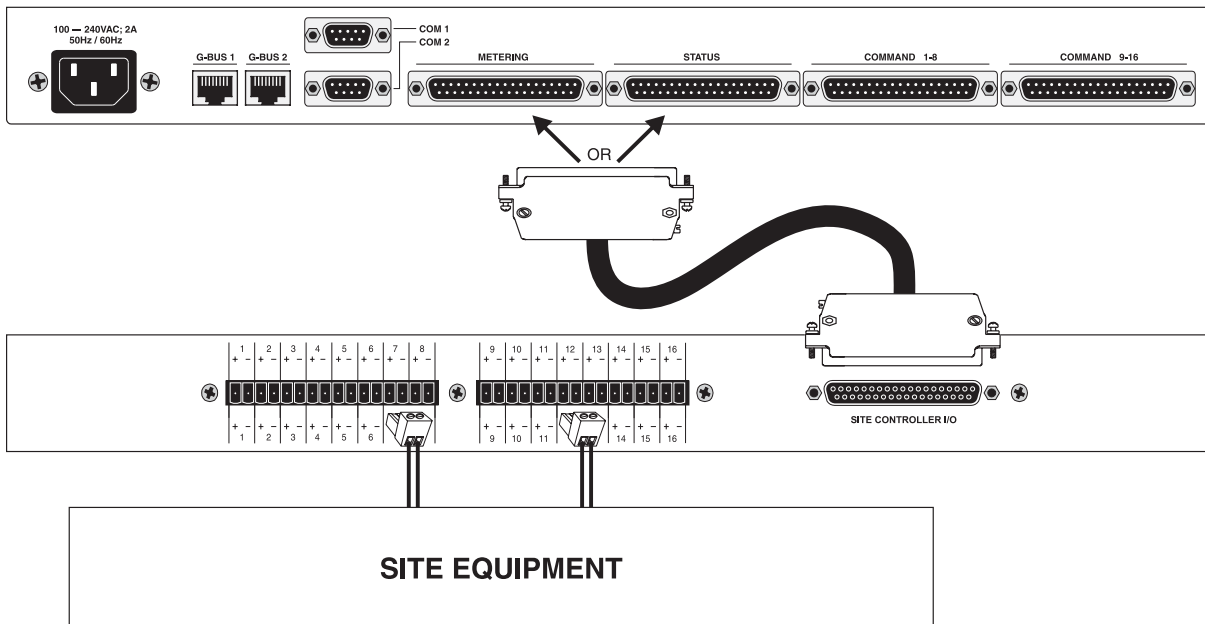
Note: When using the Wiring Interface with an I/O 8, connect metering inputs to the channels on the Wiring Interface marked 1-8, and connect Status to 9-16.

2. Connect the site equipment input wires to the Wiring Interface push-on block and secure the wires with the built-in setscrews. The status or metering input connects to the + terminal, and a common ground connects to the – terminal.



3. Connect the push-on blocks to the Wiring Interface with the setscrews facing up. Be sure to precisely align the connector terminals to the + and – contacts on the back panel of the Wiring Interface. Misalignment will result in faulty readings and may damage the I/O unit. If you set up all your channel properties (labels, limits, alarms, etc.) in Lynx before installing the Wiring Interface, be sure to connect your equipment to the channels you specified during unit configuration.
4. Use the provided DB37 cable to connect the SITE CONTROLLER I/O port on the Wiring Interface to the METERING or STATUS port (as appropriate) on the VRC2500 or GSC3000 I/O 16 unit. An I/O 8 has one METERING/STATUS port for both types of inputs.

Connecting a Wiring Interface to a GSC3000 I/O



Connecting a Wiring Interface to a VRC2500

