

Telemetric Applications for the Utility Industry

Horstmann Load Tracker Fault Indicator



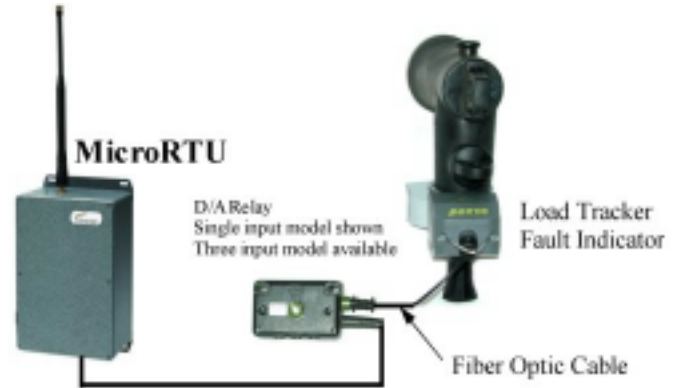
The Telemetric FCI MicroRTU™ is an ideal product for remote monitoring of the Horstmann Load Tracker Fault Circuit Indicators (FCI). (Horstmann products are marketed in North America under the Power Delivery Products brand.) FCIs are activated by the transient fault current just prior to the de-energization of the circuit by the protective device (fuse or circuit breaker). Most FCIs are equipped with an indicator that requires the line-crew to visually inspect each FCI to determine if it is in a fault indicating state. Of course, it takes time for the line-crew to sequentially perform these inspections

By adding the MicroRTU to your FCI, operations personnel can be notified by email, pager, text messaging or voice with the time and location of the fault. Optionally, these alarms can be sent to a SCADA system

Using multiple inputs, FCI's for each phase can be monitored.

Features:

- Combined MicroRTU™, communications and Web access in a single solution. No special software or airtime contracts required.
- Access via the Telemetric web application or your SCADA system.
- Four digital inputs report the dry contact closures that indicate faults.
- AC Line Voltage Monitor reports under and over voltage conditions as well as momentary and continuing power outages (AC powered models only)
- Optional analog inputs can be used to monitor voltage or current values. The analog inputs measure 0-5 VDC, 4-20mA DC, or 0-10 VAC.
- Optional relay outputs can provide control capability, such as resetting a current sensor, if available.
- Units are powered by 120 VAC. An optional solar power supply is available with a 12 V battery charging system.



The Telemetric FCI MicroRTU can interface with up to three Horstmann Fault Indicators using the Horstmann three-input, latching Distribution Automation Relay (Power Delivery Products PN 49-6020-303). Alternatively, the single-input latching Distribution Automation Relay (PN 49-6020-002), pictured above, can be used to connect one Fault Indicator.

The MicroRTU communicates using the cellular data network. This provides coverage to over 98% of the population in North America and Mexico. Airtime and Data access fees begin at \$6 per month.

Installation:

Wire the latching contact(s) from the Horstmann Distribution Automation Relay (DAR) into the digital input terminal block of the MicroRTU. For example, using the single-input latching contact DAR, connect the relay contact wires to the IN1 and COM terminals of the MicroRTU.

