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New Information

Protective Relays Universal RTD Module

Universal RTD Module

Applications

- Monitors as a standalone device or in conjunction with the MP-3000 Motor Protective Relay

Physical Characteristics

- Height: 7.67 inches
- Width: 4.32 inches
- Depth: 2.00 inches

Communications

Communications are enabled on the Cutler-Hammer PowerNet Network with an optional PONI.



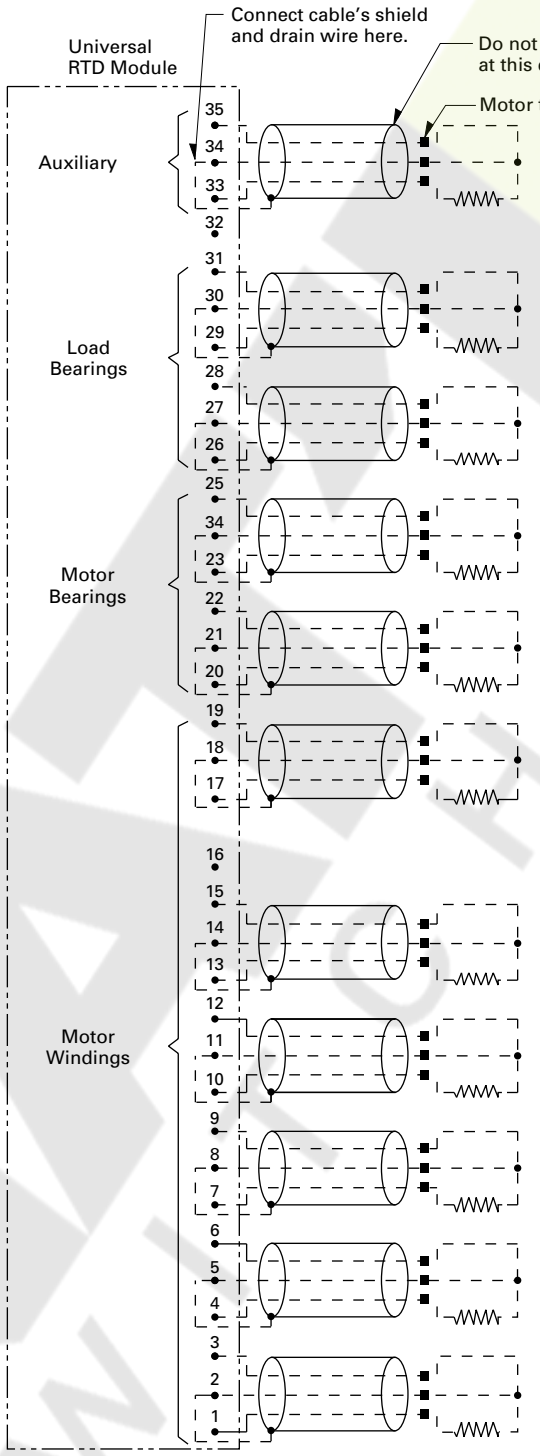
General Description

The Universal RTD Module is an electronic Resistance Temperature Detector designed to monitor as a standalone device or in conjunction with the MP-3000. The Universal RTD Module can be used to monitor, for example, transformer temperature and relay that information back to a remote computer or programmable controller. When used in conjunction with the MP-3000, the Universal RTD Module enhances the unit's motor protection ability. In addition to the MP-3000, the Universal RTD Module can be used with the IQ1000 II, IQ1000 and IQ2000.

The Universal RTD Module can be used to monitor as many as 11 RTD inputs – four groups consisting of six motor windings, two motor bearings, two load bearings, and one auxiliary. The Universal RTD Module can be programmed to accept any of the following types of RTD inputs: 10 ohm copper, 100 ohm platinum, 100 ohm nickel, and 120 ohm nickel, per group.

The Universal RTD Module transmits information using three conductor shielded cables, with a maximum cable distance of 500 feet (152 m). It can also transmit to an MP-3000, or IQ1000 II using a fiber optic link, with a maximum distance of 400 feet (122 m).

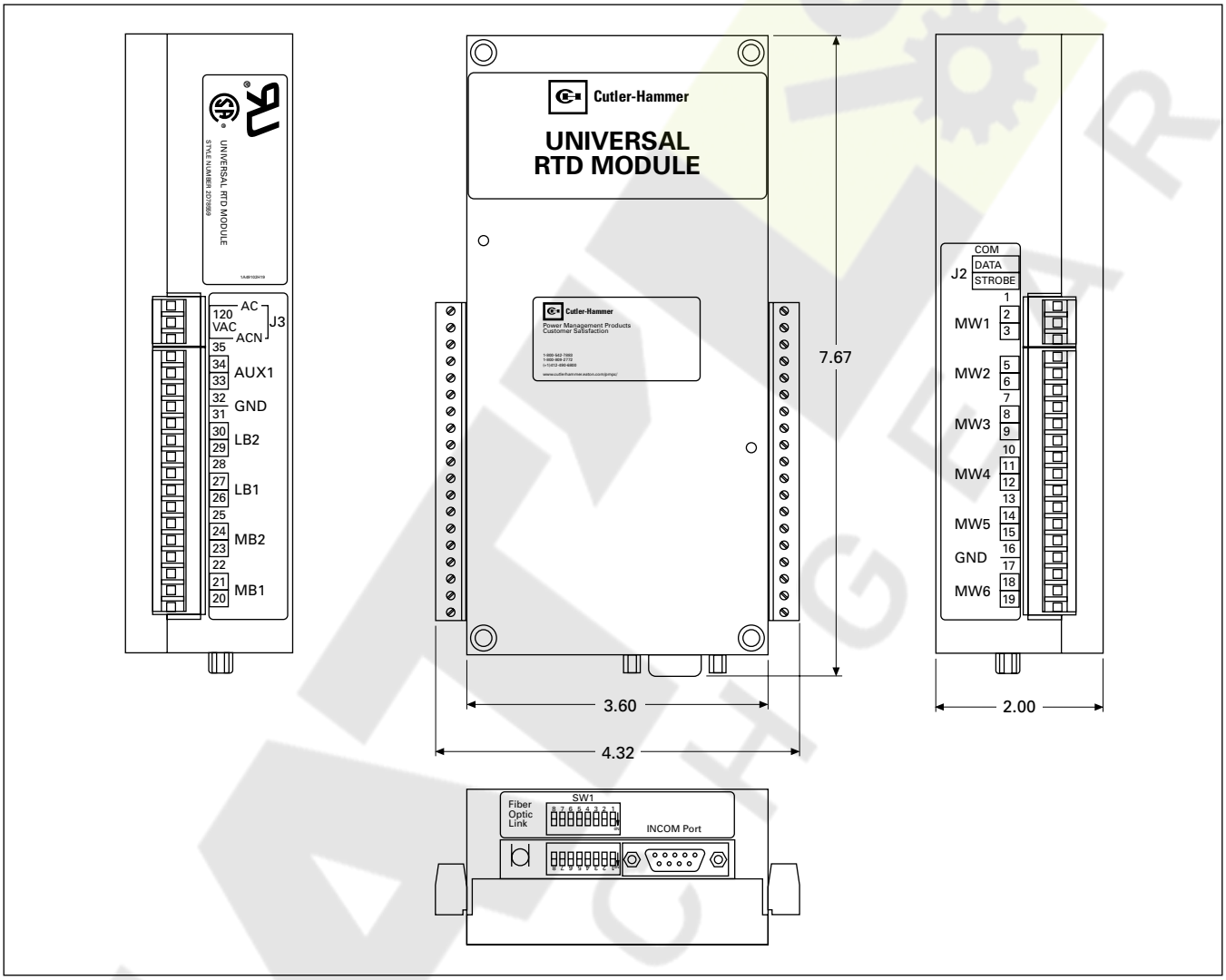
RTD Wiring (3-Lead Type)



Note: Wiring between motor RTDs and RTD Module must be 3-wire shielded cable.

1. Each shielded cable's conductors must be connected on Universal RTD Module as shown.
2. Use of 3-lead RTDs is recommended.
3. RTDs must not be grounded at the motor, and no common connections between RTDs should be made at the Universal RTD Module or the motor.
4. Terminal 16 or 32 should be connected to a suitable earth ground.

Universal RTD Module Dimensions



Specifications

Input Power Requirements
120 Vac (±15%)

Frequency
50/60 Hz

Power Consumption
6 VA

Operating Temperature
0° to 70°C (32° to 158°F)

Storage Temperature
-20° to 85°C (-4° to 185°F)

Humidity
0 to 95% R.H. noncondensing

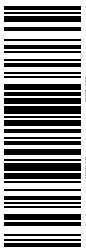
Enclosure
Type 1

Ordering Information

Universal RTD Module

Description	Catalog Number
Universal RTD Module	**URTD**

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