



PT2060/30 TEMP Temperature Module

ProvibTech's PT2060/30 TEMP temperature module is an 8 channels module which processes the incoming temperature sensor signal, compares it the alarm set-point and outputs the appropriate status information. Acceptable sensor signals include:

- ✓ RTD: 3 wire or 4 wire Platinum

The PT2060/30 TEMP module also provides additional information; such as, module status, alarm status, alarm history and system events. This information can be accessed via Modbus or the configuration software.

The PT2060/30 TEMP module is also equipped with local status indication. There are three LEDs which display the status of the monitoring channels.

- ✓ OK / IO LED indicates that both the module and the RTD probe in the field are working
- ✓ Alarm LED indicates the current alarm status of the module.
- ✓ Bypass LED indicates the channels have been programmed to be in the Bypass mode.

Specifications

Electrical

Power supply:

Internally converted by the rack power supply module

8.0W totally typical for this module

Signal Input:

Up to eight RDT sensors

RTDs:

100Ω 3-wire & 4-wire platinum RTD, (alpha= 0.00385): -200°C to +850°C

100Ω 3-wire & 4-wire platinum RTD, (alpha= 0.00392): -200°C to +700°C

Overall in 4-20mA output:

Maximum distance:

300m (1000ft)

Proportional to monitor's full-scale. Each channel has its own overall temperature output. The short of the 4-20mA will not affect system performance.



Maximum load:

300Ω

Alarm:

Alarm set-point:

Each channel has two alarm set-points which can be field adjusted from 0 to 100% FS.

Alarms:

Normally latching or normally non-latching

Alarm delay:

Alert delay can be set to from 1 to 60 seconds with time interval of 1 second

Danger delay can be set to from 1 to 60 seconds with time interval of 1 second

LED Indicators:

OK / IO: green. On, off, flash

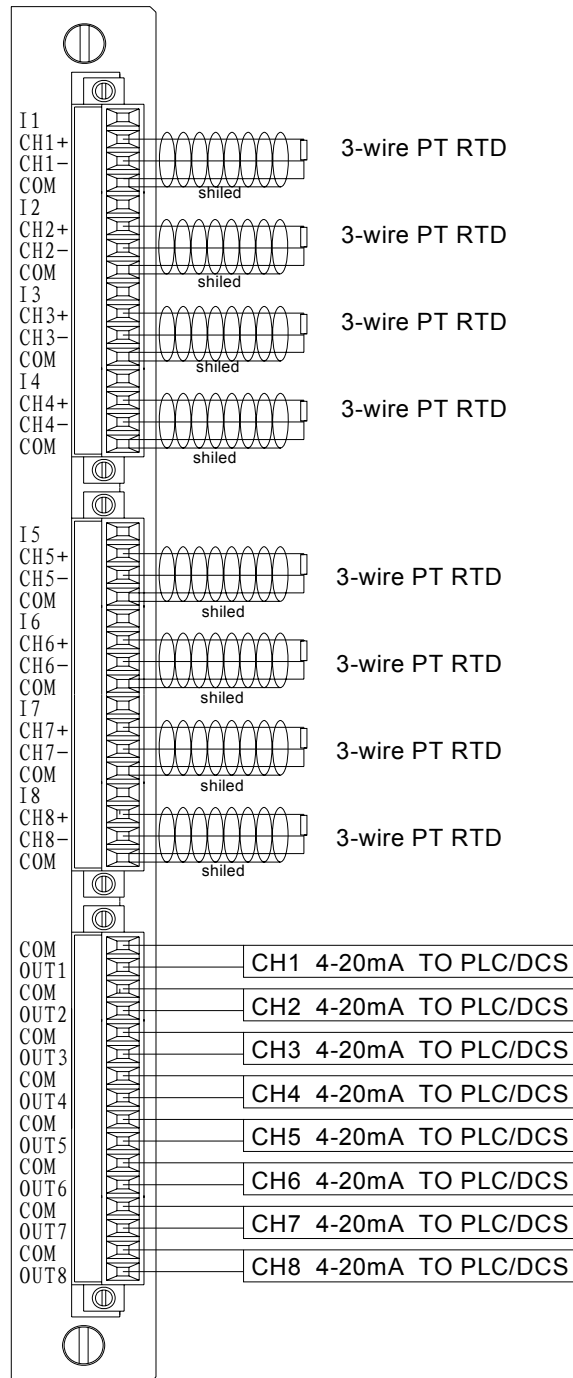
Alarms: red

Bypass: red



Field-wiring Diagram

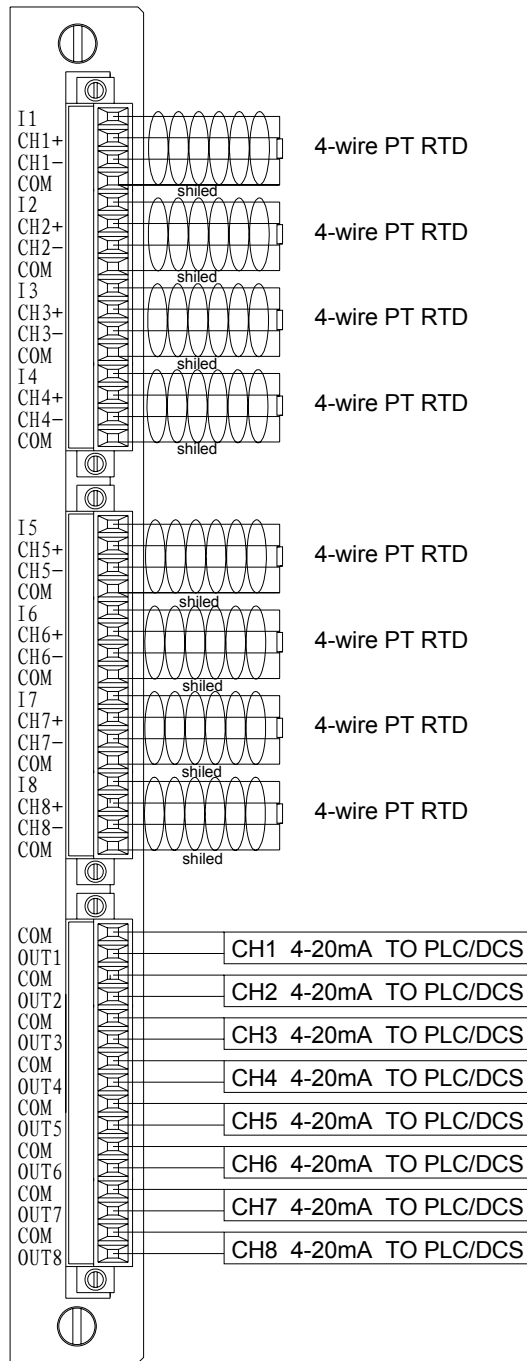
For 3-wire Thermoelectricity Resistance



WARNING: The result will be imprecise if the shield wire is not connected to the COM port.



For 4-wire Thermoelectricity Resistance



WARNING: The result will be imprecise if the shield wire is not connected to the COM port.