PT2060/35 PROC Process Module

ProvibTech's PT2060/35 PROC process module is an 16 channels module which processes the incoming voltage and current sensor signals, compares them with the alarm set-point and outputs the appropriate status information. Acceptable sensor types include both voltage and current sensors.

The PT2060/35 PROC module also provides much more information to the field operator and control system, such as module status, alarm status, alarm history and system events. This information can be accessed via Modbus or the configuration software. it can program alarm logic through PT2060/40 RELAY module and output 4-20mA current through PT2060 /36 TRO module.

The PT2060/35 PROC module is also equipped with on-board status indication. There are three LEDs which display the status of the monitoring channels.

- ✓ OK / IO LED indicates that both the module and the 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
3.5W totally typical for this module

Signal Input:
Up to 2 sensors types
Voltage:
-10 to +10 Vdc input
Current:
4 to 20 mA input

Input Resistance:
Isolated voltage signal input: 1M ohm
Isolated current signal input: 50 ohm

Isolation:
500 Volts

Signal Conditioning (@25℃):
Accuracy: 0.33% of full scale.
Resolution: 1 mV for voltage input, 1 uA for current input.

Static and Status Values:
Each of the options for this monitor module has been defined with static values. Those values can be accessed from the digital communication protocols.
Direct, OK, Alert, Danger, Bypass.

Electrical Continued

Alarm:
Alarm Set-point:
Each channel has four alarm set-points which can be field adjusted from 0 to 100% FS and can be selected Enable or Disable.
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

Environmental

Temperature:

Operation: -20℃ to +65℃

Storage: -40℃ to +85℃

Humidity:

95% non-condensing

Physical

Each module comes with two components. The front panel assembly and the back panel assembly.

Dimensions and Location:

241mm(9.5in)×24.5mm(0.96in)

For 19″ rack, they can be mounted in any slot from 1 to 12.

For 12″ rack, they can be mounted in any slot from 1 to 6.

Weight:

1.0kg (2.0 lbs).

Ordering Information

PT2060/35-AX

AX: Back-panel IO module

A0:   Basic IO module

Optional Accessories:

PT2060-003500:   PT2060/35 Front panel

PT2060-003501:   PT2060/35 Back panel

Back Panel Connectors Layout