PT2060/36 TRO Transmitter Module

ProvibTech's PT2060/36 TRO transmitter module has 16 channels. Each channel on the PT2060/36 TRO transmitter module can be fully programmed to perform needed current output to realize 4 to 20 mA transmitter output function for other modules. PT2060/36 TRO transmitter module can receive and deal with the signal from other signal modules installed in this rack, when each channel can only output corresponding current of only one channel of other modules.

The main task for PT2060/36 TRO transmitter module is to process the incoming signal and status information, perform the logic and output the appropriate current.

PT2060/36 TRO transmitter and signal process module can realize the following functions:
- ✓ 4 to 20 mA transmitter output function of redundant or single channel.
- ✓ Signal process module Not OK detect.
- ✓ Can output 4 to 20 mA transmitter which is proportional to overall, Gap voltage, 1XAmp and 2XAmp, 1XPhase and 2XPhase, Not1XAmp and SmaxAmp of other modules.

Specifications

Electrical

Power supply:
> Internally converted by the rack power supply module
> 2.5W total typical for this module

Signal input:
> Through internal bus or direct connection

Current output:
> 4-20mA
> Output load resistance: 300 ohm
> Resolution: 0.3662 µA per bit
> Accuracy: ±0.1％@25℃，load resistance 100 ohm

LED indicators:
> OK / IO: green. On, Off, Flash.

Update rate:
> interval of the signal module report real-time value + 2ms

Maximum distance:
> 1000ft

Environmental

Temperature:
> Operation: -20℃ to +65℃
> Storage: -40℃ to +85℃

Humidity:
> 95% non-condensing

Physical

Each module comes with two components, the PT2060/36-Front assembly and the PT2060/36-Back assembly.

Dimension:
> 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

PT2060/36-AX

       AX: Back-panel IO module
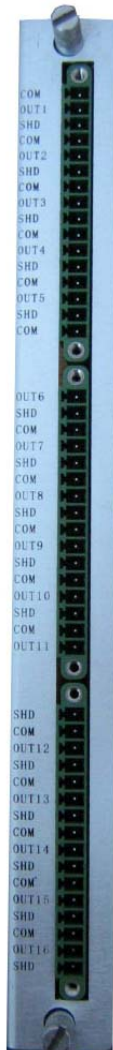
        A0: Basic IO module

Accessories

There are several accessories for selecting:

PT2060-003600: PT2060/36 Front panel

PT2060-003601: PT2060/36 Back panel

Back Panel Connectors Layout

Field-wiring Diagram

Field-wiring Diagram for PT2060/36 TRO transmitter module and controls systems like PLC or DCS: