



### PT2060/43 R-RELAY Redundant-Relay Module

ProvibTech's PT2060/43 R-RELAY module has 8 output channels with 8 DPDT relays. Each relay channel is fully independent and easily programmable to execute the necessary functions.

#### Easy to Program

Programming the PT2060/43 R-RELAY module requires the PT2060-CFG configuration software which is very intuitive and easy to use

#### Alarm Option

Relay alarm can have the following options:

- ✓ Latch, non-latching
- ✓ Normally de-energized, normally energized

The PT2060/43 R-RELAY module is also equipped with local status indication.

- ✓ OK / IO LED indicates that both the module and the channels of this module are working properly
- ✓ 8 Alarm LEDs: indicates the current alarm status for each channel



### Channels of Redundant Relay Module Definition

There are three work mode of PT2060/43 module, the first is PT2060/43 type, the second is PT2060/53 default type, and the third is PT2060/53 individual type. The following table shows Alarm drive logic. If you don't specify, factory default setting of PT2060/43 module of over-speed protection system is PT2060/53 default type.

| Relay/LED | PT2060/43     | For PT2060/53 (Default type) | For PT2060/53 (Individual type) |
|-----------|---------------|------------------------------|---------------------------------|
| CH1       | CHANNEL-1-ALT | NOT OK (for 43 module)       | NOT OK (for 43 module)          |
| CH2       | CHANNEL-1-DNG | NOT OK (for 43 module)       | ALT                             |
| CH3       | CHANNEL-2-ALT | DNG                          | SLOT1-DNG                       |
| CH4       | CHANNEL-2-DNG | DNG                          | SLOT2-DNG                       |
| CH5       | CHANNEL-3-ALT | ALT                          | SLOT3-DNG                       |
| CH6       | CHANNEL-3-DNG | ALT                          | SLOT1-NOT OK                    |
| CH7       | CHANNEL-4-ALT | NO USED                      | SLOT2-NOT OK                    |
| CH8       | CHANNEL-4-DNG | NO USED                      | SLOT3-NOT OK                    |



## Specifications

### Electrical

#### Power Supply:

Internally converted by the power supply module  
8.0W total typical for this module

#### Signal Input:

Through internal bus or direct connection

#### Relays:

Seal: Epoxy  
Capacity: 5A/240V or 5A/30V, resistance load  
Relay type: SPDT \* 2; 8 sets  
Isolation: 1000V/DC

#### LED Indicators:

OK / IO: green  
ALARM: red

#### Approvals:

CE;  
CSA: Non-incendive, class I, div.2, Grps.ABCD,  
T4@Ta= -40°C to +75°C  
Certificate Number: 2011996

### Environmental

#### Temperature:

Operation: -20°C to +65°C  
Storage: -40°C to +85°C

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)

PT2060/43 R-REALY module can be mounted in any one from slot 4, 8, 12 of 19" rack.

PT2060/43 R-REALY module can be mounted in slot 4 of 12" rack.

Weight: 1.0kg (2.0 lbs).

## Ordering Information

PT2060/43-AX

AX: Back-panel IO module

A0: Basic IO module

#### Optional Accessories:

PT2060-004300: PT2060/43 Front panel

PT2060-004001: PT2060/40/43 Back panel

## Back Panel Connectors Layout

