

TR-RPS1

6 Amp Intelligent Distributed Power Module

TR-RPS1 is an intelligent distributed power module that adds 6.0 amps of power, six Flexput™ I/O circuits, and two Form C relay circuits to a compatible Triga Series addressable system.

TR-RPS1 connects to the FACP via the RS-485 system bus allowing up to an additional 6,000 feet of wiring. Each TR-RPS1 is optically isolated providing ground loop isolation and transient protection. TR-RPS1 supports its own backup battery and monitors the AC power.

The Flexput circuits can be programmed as notification appliance circuits, continuous, re-settable, or door holder power, or as conventional initiation circuits for 2 or 4-wire smoke detectors and contact devices (e.g. pull stations) installation.

COMPATIBILITY

The TR-RPS1 are compatible with the following Triga Series FACP's:

- TR-2100ECSR / TR-2100ECSB (63 max per panel)
- TR-2100R / TR-2100B / TR-R2100R / TR-R2100B (63 max per panel)



TR-RPS1

FEATURES & BENEFITS

- | | | | |
|--|--|--|--|
| <ul style="list-style-type: none"> • 6.0 amps output power • Supports Class A (Style 6) and Class B (Style 4) configuration of the SBUS • Two Form C programmable relays rated at 2.5A @ 24 VDC | <ul style="list-style-type: none"> • Ground loop isolation and transient protection • Provides SBUS optical isolation and re-conditions the RS-485 signal • Built-in synchronization for appliances from System Sensor®, AMSECO, Gentex®, and Whealock® | <ul style="list-style-type: none"> • Up to 6,000 foot wiring distance from the TR-RPS1 • Battery charging capacity is 35AH • Large cabinet size can house two 18AH backup batteries or RBB accessory cabinet can house battery sizes larger than 18AH | <ul style="list-style-type: none"> • Room to mount two TR-6815 SLC expander modules • Six onboard Flexput circuits programmable for: <p>a; Notification appliance circuits (Class B/Style Y & Class A/Style Z)</p> <p>b; Conventional initiation circuits (Class B/Style B & Class A/Style D) both 2- and 4-wire</p> <p>c; Auxiliary power (for door holders, continuous power, or resettable power)</p> |
|--|--|--|--|

Technical Specifications

PHYSICAL

Mounting Dimensions: 14.5" W x 24.75" H x 3.9" D
(36.8 cm W x 62.9 cm H x 9.8 cm D)

Overall Dimensions: 16.1" W x 26.4" H x 4.1" D
(40.6 cm W x 67 cm H x 11.8 cm D)

Color: Black

ENVIRONMENTAL

Operating Temperature: 32°F-120°F (0°C-49°C)

Humidity: 10%-93% non-condensing

ELECTRICAL

Primary AC: 120 V, 50 or 60Hz, 2.5A, or 240V, 50 or 60Hz, 1.4A

Total Accessory Load: 6A @ 24VDC

CURRENT

Standby: 40mA

Alarm: 160mA

SBUS Standby & Alarm: 10mA

Flexput Circuits:

Notification: 3amps per circuit (6A system total)

Initiation: 100mA power limited @ 24VDC

ORDERING INFORMATION

TR-RPS1: High voltage (240V) Intelligent Distributed Power Module

ACCESSORIES

RBB: Remote Battery Box Accessory Cabinet. 16" W x 10" H x 6" D (406 mm W x 254 mm H x 152 mm D)

AB-55: Remote Battery Box Accessory Cabinet. 20"W x 12" H x 7.5" D

TR-6815: SLC Expander Module

TR-SCK: Seismic Compliance Kit

AGENCY LISTING AND APPROVALS

NFPA 13, NFPA 70, NFPA 72, UL 2572, UL 1711 &

UL 864: Local Protective Signalling Systems.

UL Listed

This document is not intended to be used for installation purposes. We try to keep our product information up-to date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

TRIGA Life Safety Systems, LLC

7600 Olde Eight Rd, Hudson, Ohio, United States of America

Tel : +1 330-577-5199, Email: info@trigaglobal.com