



Description

Models T9016RY/T9032RY, 16-Channel/32-Channel Relay Interface are components of the IED Titan Series of digital distribution products. The relays are Form C, and are used for general purpose applications such as zone output switching to override volume controls in paging zones or zone output relays to trigger external lights and strobes.

These devices are designed to mount in a 19-inch equipment rack/cabinet, taking up only 1 rack unit (RU), or 1.75" of vertical space. It is a low power device which utilizes natural cooling. No additional vertical space is required in the rack for cooling. The mainframe has removable rack mounting ears, which may alternately be placed near the bottom of the mainframe for ease in mounting the unit on a wall, such as in a telephone closet, or on the back for rear rail mounting reinforcement.

The Models T9016RY/T9032RY 16-Channel/32-Channel Relay Interface units link into a system through an Ethernet network connection.

The standard method of powering the collectors is through Power over Ethernet (PoE) from an IEEE 802.3af compatible Ethernet switch. They can also be powered using a Mid-Span power supply or an external 48 VDC local power supply, both purchased separately.

Specifications

Electrical, Analog

Relay Contacts	
Load Supply Voltage = 120 VAC	0.5 A
Load Supply Voltage = 24 VDC	1.0 A
Load Supply Voltage = 60 VDC	0.3 A
Power Supply	
Supply Voltage	48 VDC
Power – T9016RY	10 W
Power – T9032RY	12.5 W

Connectors

T9016RY/T9032RY (16/32)	3-pin Phoenix, 3.81mm spacing
Ethernet	Modular 8 (RJ-45)
Auxiliary (48V) Power	3-pin Phoenix, 3.81mm spacing
CAN bus (2)	6-pin Phoenix, 3.81mm spacing

Controls & Indicators

Ethernet connection and data LEDs	2
Status LEDs	3 (Power, System, Fault)

Mechanical

Size, overall	
Width, with ears	(48.3 cm) 19"
Height	(4.45 cm) 1.75"
Depth	(43.2 cm) 17"
Mounting Depth (rack depth)	(44.2 cm) 17.4"
Weight	(3.13 kg) 6.90 lb.
Mounting Ear Location Options	3 (front, rear, bottom)

Environmental

Operating Temperature Range	(+32 °F to +122 °F) 0 °C to +50 °C
Storage Temperature Range	(–40 °F to +158 °F) –40 °C to +70 °C

Optional Accessories

PS012	48VDC power supply, 36W, 110/220 VAC
-------------	--------------------------------------