

## MODELS T9016RY, T9032RY

### 16-CHANNEL/32-CHANNEL RELAY INTERFACE

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 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 via the Internet.

The collectors are powered in a number of ways such as Power over Ethernet (PoE) from an IEEE 802.3af compatible Ethernet switch, from a Mid-Span power supply, or from a 48 VDC local power supply.



Figure 1 - T9016RY/T9032RY Relay Interface  
Front View



Figure 2 - T9016RY Relay Interface  
Rear View



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## SPECIFICATIONS

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### ELECTRICAL, ANALOG

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1. 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
2. Power Supply	
Supply Voltage . . . . .	48 VDC
Current Drain	
T9016RY	
No relays energized . . . . .	140 mA
All relays energized . . . . .	190 mA
T9032RY	
No relays energized . . . . .	160 mA
All relays energized . . . . .	260 mA

### CONNECTORS

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|------------------------------------|---|
| 1. T9016RY/T9032RY . . . . .       | Plug-in lugless compression-type screw terminal block |
| 2. Ethernet . . . . .              | Modular 8 (RJ-45)                                     |
| 3. Auxiliary (48V) Power . . . . . | plug-in lugless compression-type screw terminal block |

### MECHANICAL

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|--|-------------------------|
| 1. Size, overall                           |                         |
| Width, with ears . . . . .                 | (48.3 cm) 19"           |
| Height . . . . .                           | (4.45 cm) 1.75"         |
| Depth . . . . .                            | (43.2 cm) 17"           |
| 2. Mounting Depth (rack depth) . . . . .   | (44.2 cm) 17.4"         |
| 3. Weight . . . . .                        | (3.13 kgm) 6.90 lb.     |
| 4. Mounting Ear Location Options . . . . . | 3 (front, rear, bottom) |

### ENVIRONMENTAL

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|--|------------------------------------|
| 1. Operating Temperature Range . . . . .                               | (+32 °F - +122 °F) 0 °C - +50 °C   |
| Applicable for typical voice paging and background music applications. |                                    |
| 2. Storage Temperature Range . . . . .                                 | (-40 °F - +158 °F) -40 °C - +70 °C |

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