

MODELS T9032LVIO, T9064LVIO

LOGIC-VOLTAGE I/O COLLECTORS

The Models T9032LVIO/T9064LVIO Logic-Voltage I/O Collector are units designed to interface 32/64 logic or voltage signals with the IED Titan Series product line. 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 collector has connections for up to 32/64 logic or voltage ports. The 32/64 ports can be configured as inputs or outputs, and they can be configured for logic or voltage. However, the configuration options must be consistent in each of the banks of eight ports. For example, configuration options include: 16 logic inputs X 16 logic outputs, 8 voltage inputs X 24 voltage outputs, etc.

The inputs are designed to handle up to 24V for logic signaling and can measure input voltages in the 0-10V range. It is software selectable as to whether inputs are treated/reported as logic states or voltage values. For example, when set to "logic" any voltage below a threshold is reported as a logic zero and any voltage above as a logic one.

The units also have software selectable pull up/down resistors on the inputs to allow it to handle different logic type systems such as voltage signaling, current sink and open-collector signaling. This setting is configurable for each bank of 8 inputs.

The T9032LVIO/T9064LVIO Collectors link into a system via Ethernet.

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 - IED T9064LVIO Logic-Voltage I/O Collector Front View



Figure 2 - IED T9064LVIO Logic-Voltage I/O Collector Rear View



SPECIFICATIONS

CONNECTORS

1. I/O points
 - T9032LVIO 32 plug-in lugless compression-type screw terminal blocks
 - T9064LVIO 64 plug-in lugless compression-type screw terminal blocks
 - 3-wire type
2. Ethernet Modular 8 (RJ-45)
3. Auxiliary (48V) Power plug-in lugless compression-type screw terminal block
4. CAN bus plug-in lugless compression-type screw terminal block

CONTROLS & INDICATORS

1. Ethernet connection and data LEDs 2

POWER REQUIREMENTS

1. 48 V (PoE or auxiliary connector) 10 W

MECHANICAL

1. Size, overall
 - Width (48.3 cm) 19" (with ears)
 - Height (4.4 cm) 1.75"
 - Depth (43.2 cm) 17"
2. Mounting Depth (rack depth) (44.2 cm) 17.4"
 - For proper fan operation add a minimum of 2" (5.1 cm) clearance
3. Weight (3.2kg) 7 lbs
4. Cooling 1 fan
5. Mounting Ear Location Options 3 (front, rear, bottom)

ENVIRONMENTAL

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

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