TZ Praetorian™ Junction

The TZ Praetorian Junction interprets relay output signals from building access control systems and converts them into RS485 serial data signals to communicate with TZ locking devices and also to supervise door position sensors, detect intrusions and override key door opening which are reported back to the building access control system through its associated relay inputs.

The TZ Praetorian Junction includes quick connect pluggable termination blocks for either 12 or 24 connections to the relay I/O cards of building access control systems. It can be mounted in a 19" 1U rack space or on a wall convenient to the access control system and the structured cable patch panel. RS 485 data communication and power is provided for one or two TZ Praetorian Triggers and either 12 or 24 RJ45 ports that connect and provide power to TZ locking devices through structured category cabling.

Features

› Compatible with TIA/EIA structured cabling standards.

› Quick connect style connections for 12 - 24 relay I/O from access controller.

› RJ45 with cat 5e/6 cable connections for power and data to 12 or 24 TZ locking devices.

› RJ45 connections for power and data to one or two TZ Praetorian Triggers.

› Wide range of input voltage: 90 to 250 VAC, 50 to 60Hz.

› Versions available to connect 12 or 24 TZ locking devices.

› Flexible mounting options for rack, wall, or shelf to simplify installation.

Benefits

› Extends third party access control systems to provide more granular levels of security and auditable access records for PCI-DSS, HIPPA, NERC CIP and other regulatory mandates.

› Allows existing third party access control systems to secure a broad range of Datacenter, IT, medical and Industrial cabinets and enclosures.

› TZ locking devices do not require additional in-cabinet power, which reduces and installation time.

› Allows many locks to be controlled from a single credential reader.

› Capable of controlling multiple locks with one relay input.

› Scalable system accommodates any size installation.

› Serves multiple cabinets – up to 12 x two door cabinets and saves valuable in-cabinet rack space compared to other systems.

SMArt™ Cabinet Security

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Specifications Overview

Specifications subject to change to suit particular application requirements.

Physical and Mountings

› **Dimensions:** 434.4mm x 209.2mm x 43.7mm (17.1" x 8.2" x 1.72")

› **Weight:** 1.81 kg (4.0 lbs) or 2.5 kg (5.5 lbs)

› **Mounting:** Standard 19" rack mountable spacing or can be wall mounted using the same brackets

CAUTION: This product should not be installed in a way that compromises the Ingress Protection (IP) rating of the enclosure in which it is mounted. Do not drill or otherwise produce metal shavings around electronic equipment.

Environmental and Performance

› **Operating ambient temperature:** 0°C to +50°C (32°F to 122°F)

› **Storage temperature:** -15°C to +70°C (5°F to 158°F)

› **Humidity (operating):** 20 to 80% RH, non-condensing

› **Ingress protection:** IP 20

› **Estimated MTBF:** 131,400 hrs @ 25°C

Electrical

› **Voltage input:** 100 to 240VAC, 1A, 50 to 60Hz, IEC C14 (1A, 250VAC, 5x20mm slow blow fuse included)

› IEC C13 to NEMA 5-15 input cord included

› RS-485 multi-drop communications interface via RJ-45

› 12 (model 7140AF) or 24 (model 7141AF) x RJ-45 connection to TZ locking devices

› 1 (model 7140AF) or 2 (model 7141AF) x RJ-45 connection to TZ Praetorian Trigger devices

› 12 (model 7140AF) or 24 (model 7141AF) x analog screw terminal I/O from controller: 2 input / 2 output

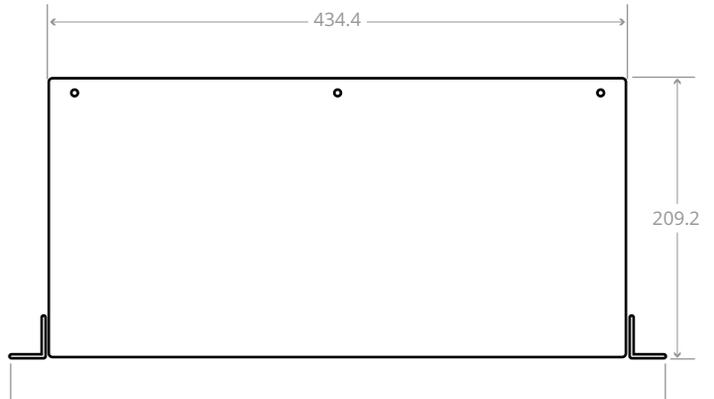**CAUTION:** RJ-45 ports are not Ethernet compatible

TZ Praetorian Junction has no user-serviceable parts and should only be opened by qualified service personnel
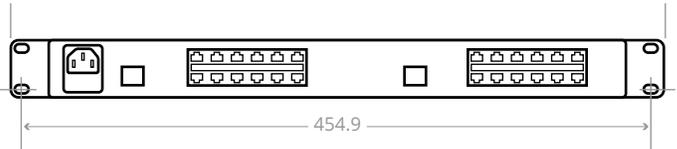
Standards Compliance

› FCC Part 15, CE, UL (c-us) per IEC/UL/CSA 60950-1

› RoHS compliant

› 1 year limited warranty

Dimensions (mm)

TOP

434.4

209.2

FRONT

454.9

SIDE

43.7

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