



Patent Pending

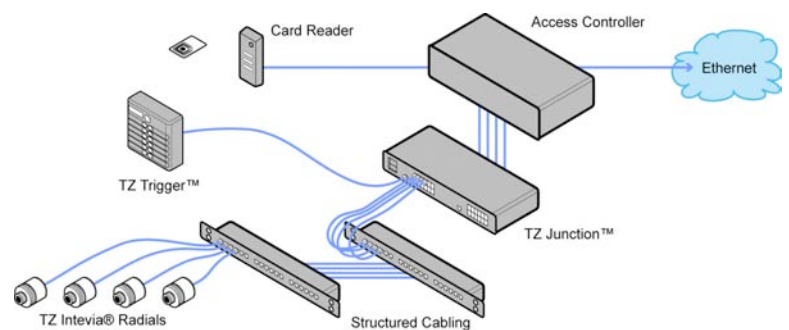
TZ JUNCTION™ 7141AF

Overview

The TZ Junction™ 7141AF interprets relay output from control systems and responds with the status of TZ Praetorian™ system components. The TZ Junction™ 7141AF provides data communication and power to 2 TZ Triggers and 24 RJ45 ports that connect through structured cabling to TZ electronic locking devices. The TZ Junction™ 7141AF also provides pluggable screw terminal blocks for 24 connections to the I/O cards of control systems. The TZ Junction can be mounted in a 19" 1U Rack space, wall, shelf, or anywhere else convenient to the location of the access controller and a structured cable patch panel to reach multiple cabinets.

Features

- Compatible with structured cabling standards for 100m length
- Screw terminal connections to 24 relay I/O from access controller
- RJ45 connections for power and data to 24 TZ Radial electronic sensing devices
- RJ45 connections for power and data to 2 TZ Triggers
- Wide range of input voltage: 100-240 VAC, 50-60Hz
- Flexible mounting options for rack, wall, or shelf
- UL/CUL and CE certifications



Typical configuration: Data center cabinet

Applications

- Data center cabinet security

CHARACTERISTICS – TZ JUNCTION 7141AF

Physical and Mountings

Dims: 434.4mm x 209.2mm x 43.7mm (17.1in x 8.2 in x 1.72 in) Weight: 2.5kg (5.5 lbs.)

Mounting: Standard 19 inch rack mountable spacing or can be wall mounted using the same included 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 & Performance

Operating temperature: 0°C - +50°C (32°F - 122°F)

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

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

Ingress Protection: IP 20

Estimated MTBF: 131,400 hrs @ 25°C

Electrical

Voltage Input: 100-240VAC, 1A, 50-60Hz, 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

24 x RJ-45 connection to TZ locking devices

2 x RJ-45 connection to TZ Trigger devices

24 x analog screw terminal I/O from controller: 2 input / 2 output

CAUTION: RJ-45 ports are not Ethernet compatible

The TZ Junction has no user-serviceable parts and is intended to be opened by qualified service personnel only

Standards Compliance

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

RoHS compliant, One Year Limited Warranty

Dimensions (mm)

