



infrastructure
protection INC

TZ Centurion™ RFID

Model Number: 8101CF



The TZ Centurion RFID reader with integrated Wiegand translator connects to a TZ Centurion network and provides access control via RFID or by interpreting a Wiegand data stream from third party security devices such as biometric scanners.

The TZ Centurion RFID reader can operate on a stand-alone basis controlling a small network of devices, or as a network device that transmits information — like access attempts — to the system level.

features

- ▶ Allows RFID cards to trigger TZ devices
- ▶ Allows audit trail of authorized and unauthorized attempts in conjunction with specific applications
- ▶ Screw terminals for auxiliary output
- ▶ Can be used as a stand-alone controller for a smaller network
- ▶ Powered from the TZ structured cable network

benefits

- ▶ Provides authorized access interface to TZ locking device network using RFID card systems
- ▶ Uses structured cabling to provide power simplifying installation
- ▶ Allows easy connection of auxiliary devices such as LEDs or can be used to trigger TZ locking devices

specifications overview

Specifications subject to change to suit particular application requirements.

physical and mountings

Dims: 63.5mm (88.9mm with flange) x 63.5mm x 25.4mm (2.5" (3.5" with flange) x 2.5" x 1.0")

Weight: 75g (2.6 oz)

Mounting: via 2 x M4 (#8) screws through flange or adhesive on bottom surface (not included)

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 temperature: -15°C to +55°C (5°F to 131°F)

Survival temperature: -55°C to +85°C (-67°F to +185°F)

Humidity (operating): 95% RH at 50°C (122°F)

Non combustible

Ingress protection: IP 21

electrical

Power supplied via RJ-45 connection – accepts 9.0 – 32.0 VDC supply voltage

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

1 x RJ-45 connection to rest of device network

RJ-45 pin-out: 1: +Coms, 2: -Coms, 3: AUX-OUT1, 4: AUX-IN1, 5: Gnd, 6: AUX-OUT2, 7: AUX-IN2, 8: +V

One pluggable screw terminal block included to make additional electrical connections with devices

Screw terminal pin-out: 1: AUX-IN1, 2: Wiegand Data 0, 3: Gnd, 4: AUX-OUT1, 5: Wiegand Data 1, 6: +V

Two Push-buttons: Store and Erase

Two LEDs: Network / Stand-Alone Mode and Read

RFID

EM4100 and Compatible cards

125 kHz, 64bit

standards compliance

CE, IC

RoHS compliant, One Year Limited Warranty

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1)

This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCCID: W6XTZWT8101CF

dimensions (mm)

