TZ PushLock™

Installation View

TZ PushLock™ is an intelligent locking device offering easy installation as a secondary electronic locking mechanism for cabinet and frame types where it is not acceptable to modify the door, or to replace the existing locking and latching mechanisms.

TZ PushLock™ is powered and controlled using either RS485 serial data communications or dry contact closure via standard UTP Cat5e/Cat6 cabling through a TZ Praetorian™ Junction or TZ Centurion™ Bridge. TZ PushLock™ can also be direct connected to standard access control or dry contact closure systems.

Benefits

- Innovative design allows installation in minutes without drilling or mess.
- Installation will not invalidate warranties, certifications or compromise seismic or NEMA12 integrity.
- TZ PushLock™ can be easily removed without any damage.
- Allows electronic access control and locking to be implemented on cabinets that traditionally have required extensive door and frame modification.
- In conjunction with other TZ SMArt™ devices, ensures 100% of IT infrastructure cabinets can be fitted with electronic locking devices.
- Utilises RJ45 twisted pair cabling infrastructure, providing up to three times more cost-effective implementation.
- No magnetic emissions eliminates the risk of damaging magnetic storage systems.
- Maintains cabinet security integrity, whilst allowing authorised personnel to override the system in an emergency.
- Provides visibility up to 30m; indicates locked / ready to unlock / unlocked doors.
- Provides multiple outputs for real-time monitoring of events, can raise alarms for unauthorised access and provides a complete audit trail to meet compliance requirements.

Features

- Easy installation without any door modification.
- Two part mechanism, Sliding 'Push' stud mounts to exterior of door and Radial locking part mounts to the top horizontal surface of the cabinet. Both parts are secured using a bracket system fitted with pressure adhesive pads.
- Fits most types of Mainframe, SAN, Media/Tape library, NEMA12, Dual Hinged cabinet types.
- Connects to control system using RJ45 and Cat5e/6 cabling.
- Complies with TIA/EIA requirements.
- SMA actuated locking mechanism.
- Defaults to locked when power is removed and incorporates a manual key release.
- Visual LED status indication.
- Multiple sensors for door status (locked/closed, unlocked/closed, unlocked/open, locked/open).

Specifications

Specifications subject to change to suit particular application requirements.

Physical & Mountings

- Dims (mm): 188.3mm tall (213.3mm when open), 45.4mm wide, 37.25mm out from door.
- Dims (inches): 7.41" tall (8.39" when open), 1.79" wide, 1.47" out from door.
- Mounting: Drill-less bracket system fitted with pressure adhesive pad.
- Custom mounting kits available upon request.

Electrical

- Supply voltage: 9.0 – 32.0 VDC.
- Power consumption (operating): < 3.5 W average.
- Power consumption (standby): < 400 mW.
- RJ-45 pin-out: 1: +Coms | 2: -Coms | 3: AUX-OUT1 | 4: AUX-IN1 | 5: Gnd | 6: AUX-OUT2 | 7: AUX-IN2, 8: +V
- RS485 coms for communication with TZ control systems; closing contact operation for connection to dry contact systems.
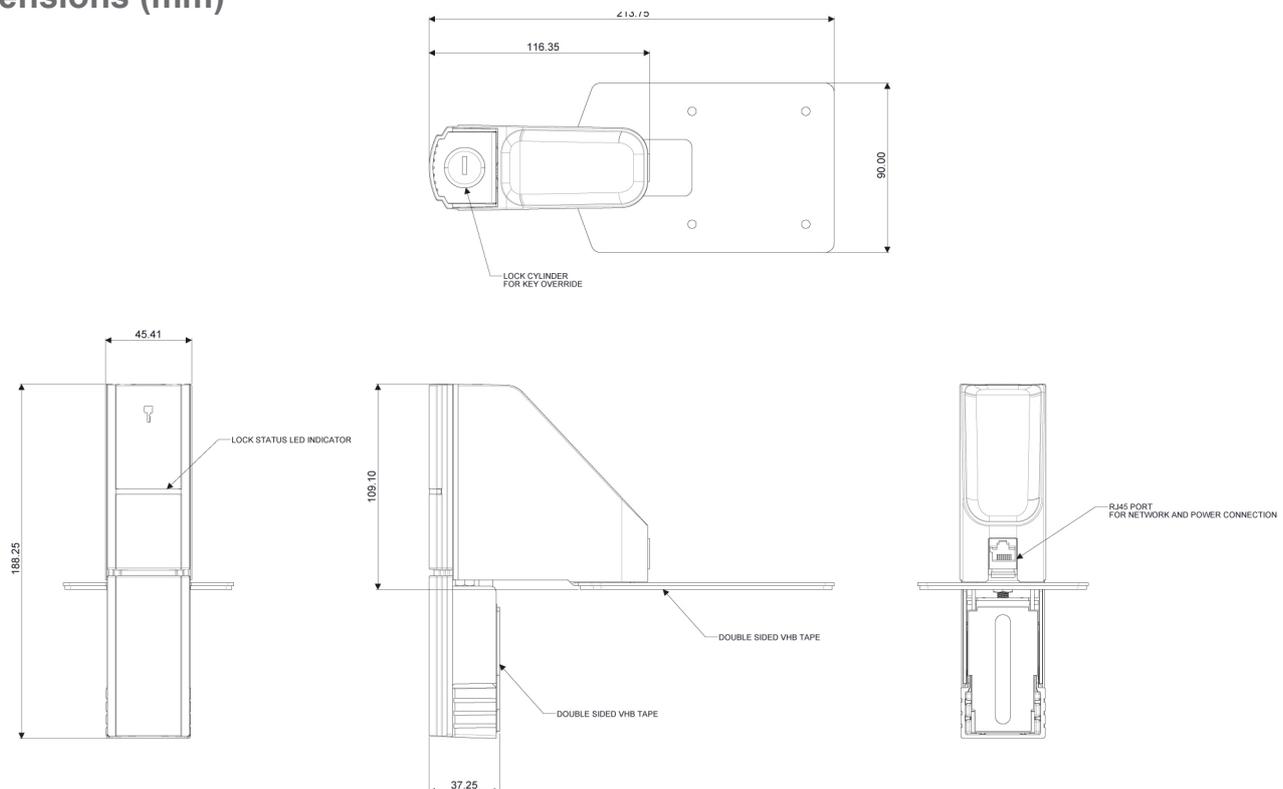
Environmental & Performance

- 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).
- Operating cycles: MTTF > 125,000.
- Ingress protection: IP 51.

Standards Compliance

- FCC Part 15, CE, UL (c-us) per IEC/UL/CSA 60950-1.
- RoHS compliant.
- One year limited warranty.

Dimensions (mm)

Ver: EDPTZPL0816.1