

TZ PushLock™



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.

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).

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 over-ride 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.



Specifications Overview

Specifications subject to change to suit particular application requirements.

Physical and Mountings

- › **Dimensions**
mm: 188.3mm tall (213.3mm when open), 45.4mm wide, 37.25mm out from door
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

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

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

Standards Compliance

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

Dimensions (mm)

