TX3 *Series*
ACCESS CONTROL

UL LISTED

PoE

Feature/Benefits

- 7500 Users
- Programming – local via USB or remotely via TCP/IP
- Supports two card readers; one built-in and one external optional Wiegand reader.
- Tamper detection for controller and communication cable cut.
- Two Form C programmable relays, 30 VDC/1 A, 0.6 power factor or 125 VAC/0.25 A, 0.6 power factor.
- Four supervised inputs EOL; Request to exit, Door position switch, general purpose.
- Temperature Range: 0° C - 49° C (32° F - 120° F)
- Visual LED diagnostics: Trouble, Alarm, Access granted
- Supported Card Formats: 26-bit Wiegand and any generic Wiegand
- 12 V/500mA max. solid state output for DC door strikes
- Metal reinforced mounting bracket to ensure proper alignment when fastening the secure screw

Description

The latest addition to the TX3 family of access control units, the TX3-CX-1 has all the features of an entry level access control application with the flexibility for scalability. An innovative PoE controller with a built-in proximity reader that can be used stand alone or networked using either RS-485 or TCP/IP.

- *Simplicity* – Simply mount onto a single gang electrical box and connect CAT-5/6 cable for both power and network communication.
- *Flexibility* – Power the TX3-CX-1 by either 12 VDC, 24 to 48VDC or PoE. Network the controller by RS-485 or TCP/IP.
- *Versatile* – The controller has a built-in 125 KHz proximity reader for interior applications. Any second Wiegand card reader can be added for outside the door.
- *Scalable* – The TX3-CX-1 may be used stand alone or networked to other TX3 platform devices for up to 63 nodes, if using the RS-485 network. Essentially no limit if TCP/IP is used.
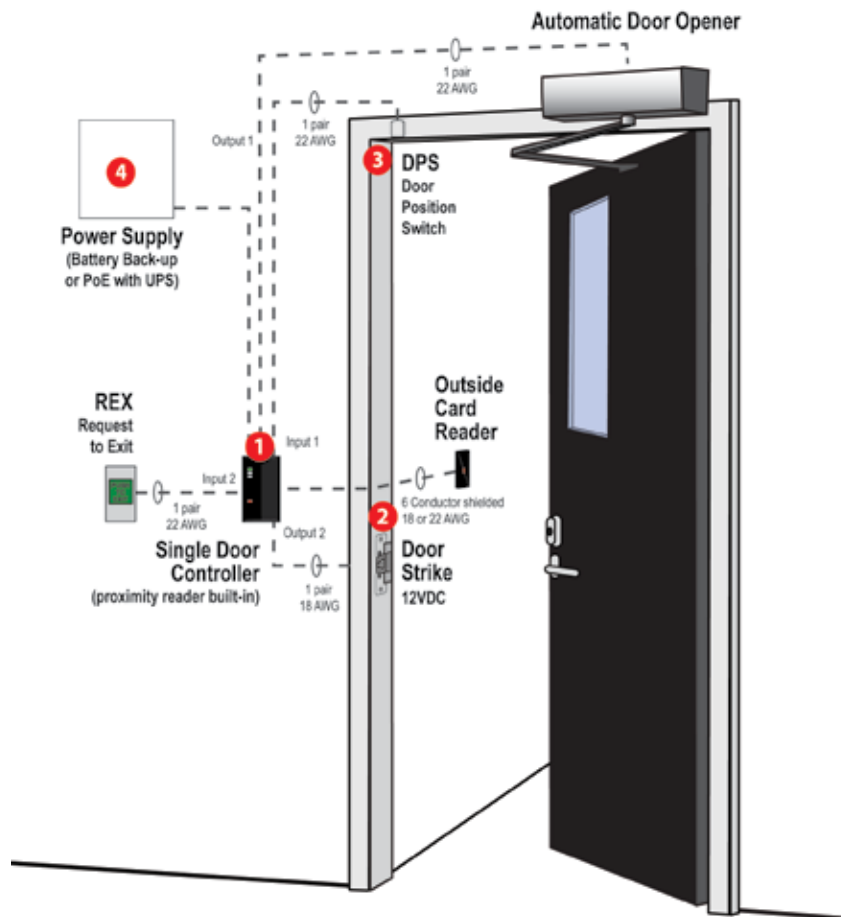
Mounting Bracket

Front   Back

Specifications

Maximum number of doors	Unlimited on an IP network, 63 per RS-485 loop
Power	12VDC, 24 to 48 VDC or PoE, 15 Watts
# of relays	2
# of inputs	4
# of power outputs	1
# of card readers	1 built in, one optional
Size	4 3/4"(h) x 3" (w) x 1.5" (d)
Mounting requirements	Single gang electrical box

Typical Network Diagram

❶ **TX3-CX-1 Single Door Controller** fits onto single gang electrical box

❷ **Electric Door Strike** preferably with a built-in door position switch

❸ **Door position switch**

❹ **Power Supply** with or without battery backup

Mircom®

Ordering Information

Model	Description
TX3-CX-1	Single Door Controller
TX3-CX-1NP	Single Door Controller Module – Please refer to the installation guide LT-5997 for compatibility
Proximity Readers 125 kHz	
TX3-P300-HA	Mini Mullion Mount Reader, Dimensions: 3.2 x 1.7 x 0.7 inch (8.0 x 4.3 x 1.7 cm)
TX3-P500-HA	Single Gang Proximity Reader, Dimensions: 4.6 x 3.1 x 0.36 inch (11.7 x 7.7 x 0.9 cm)
TX3-P640-H-A	Illuminated Proximity Keypad Reader supports HID and AWID, mounts onto a single gang box. Dimensions: 4.6 x 3.0 x 0.4 inch (11.7 x 7.7 x 1.0 cm)
TX3-PCR-35	Mobile-Ready 2.4-GHz frequency/Contactless Reader 125-kHz frequency (single gang mount and mullion mount)
TX3-PCR-620	Mobile-Ready 2.4-GHz frequency/Contactless Reader 125-kHz frequency with keypad (mullion mount)
TX3-PCR-640	Mobile-Ready 2.4-GHz frequency/Contactless Reader 125-kHz frequency with keypad (single gang mount)
13.56 MHz Readers	
TX3-CSR-35	Mobile-Ready 2.4-GHz frequency/Contactless Smartcard Reader 13.56-MHz frequency (single gang mount and mullion mount)
TX3-CSR-6.2	Mobile-Ready 2.4-GHz frequency/Contactless Smartcard Reader 13.56-MHz frequency with keypad (mullion mount)
TX3-CSR-6.4	Mobile-Ready 2.4-GHz frequency/Contactless Smartcard Reader 13.56-MHz frequency with keypad (single gang mount)
Proximity Cards & Key Tags	
CS-MIR-0-0	Clam Shell Proximity Card (packaged in groups of 25)
KT-MIR-0-0	Key Tag, 26 Bit (packaged in groups of 10)
KT-MIR-0-37	Key Tag, 37 Bit Mircom Format (packaged in groups of 10)
GR-MIR-H-26	Graphic Card, 26 Bit, HID supported (packaged in groups of 50)
GR-MIR-H-37	Graphic Card, 37 Bit Mircom format (packaged in groups of 50)
13.56 MHz Cards & Key Tags	
TX3-DK1-3	Key Tag, MIFARE 13.56 MHz, 1K BYTE (packaged in groups of 10)
TX3-DM1-3	Card, MIFARE 13.56 MHz, 1K BYTE (packaged in groups of 25)
TX3-CSK-2	High-Security Key Fob-Style Tag, 13.56-MHz frequency (packaged in groups of 10 pieces)
TX3-CSM-2P	High-Security ISO-Style Composite Card, 13.56-MHz frequency (packaged in groups of 10 pieces)
Mobile Access Credential 2.4 GHz	
TX3-CMC-2	Mobile Smartphone Credential, 2.4-GHz frequency

Intertek

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