Mircom

DOOR CARD ACCESS SYSTEMS

TX3-CX-4K-A

TX3 Series
ACCESS CONTROL

Description

Mircom's 4 door card access systems are the most price efficient solutions for new or retrofit installations. The 4 door controllers provide the flexibility of extending the system up to 8 doors. Mircom's card access systems are powerful hybrid IP and RS-485 networked systems that can manage up to 126 doors using RS-485. The system comes with an IP module which can be used to connect up to 63 RS485 connected panels to the IP network.

TX3-CX-4-A (4 door card access system – provision to add two additional 2 door controller boards)

TX3-CX-4K-A (4 door card access system – provision to add two additional 2 door controller boards, comes with 4 readers)

Mircom's 4 door card access systems are a combination of the 8 door controller chassis (TX3-BBCX-4W) and the 2 door controller boards (RB-MD-1093). The systems come with their own transformer and IP module. The 8 door controller chassis can house up to four 2 door controller boards. The 4 door card access systems come with two 2 door controller boards leaving flexibility to add two more 2 door controller board to expand your system. Four optional batteries, either 5 or 7 Ah can be housed within the same chassis to save space.

The 2 door controller boards are compatible with most Wiegand readers. Due to the flexibility of being compatible with so many different types of readers, the TX3 card access systems can conveniently be used for retrofit applications, letting you keep your existing credentials and/or readers. The 2 door controller boards are also compatible with wireless Wiegand receivers to give you the capabilities of using the card access system as a garage door operation. TX3 series card access systems have a unique feature of being natively integrated to the entire TX3 family including voice entry and elevator restriction. All TX3 series systems come with the intuitive configuration and monitoring tool. The configurator is free to download and update from the Mircom website.

Features/Benefits

- A hybrid architecture that combines the best of TCP/ IP and RS-485. All panels can be networked via RS-485 or TCP/IP
  - The system comes with an IP module for easy local or remote programming
- 8 supervised inputs for a wide selection of monitoring points that can be shared between the two card readers
- Each 2 door controller board can provide up to 8 programmable outputs; 6 are Form C contacts (normally open/normally closed), two powered outputs provide 12 VDC power for up to 1 ampere of current combined
  - The number of inputs and outputs multiply as more 2 door controller boards are added
  - Providing up to 32 supervised inputs + 32 programmable outputs where 24 of them are form C relay and 8 of them are powered (when using four 2 door controller boards/8 door card access system)
- The Wiegand inputs support multiple different reader types such as Proximity, MIFARE, Biometrics, iClass, and BLE (ordered separately)
- Supports all credential formats such as clamshell cards, graphic cards, key tags and wafers (ordered separately)
- Optional vehicular control using dual technology wireless transmitters that can have a built-in proximity coil (wafer)
- Same job file for both TX3 voice entry and card access systems reduces administration time and support
- A variety of options to remotely manage the TX3 access panel to fit the site requirements. Use a modem, a TCP/IP module or a local USB extender to a PC
- Controls up to eight doors from one enclosure simplifying conduit connections and cabling
- Cost saving construction of multiple TX3 Series
- RB-MD-1093 two door controller boards
- Small cabinet size for up to eight doors for installations with limited wall space
- Flexible configuration to accommodate two to eight doors

CATALOG NUMBER
6583

High level features include:

High Security

- A convenient feature enabling the user to perform emergency lock down' or 'emergency evacuation' by swiping an ID card four times in front of a reader to lock or unlock all doors.

First Person In

- This feature causes the door to remain locked at the start of the unlock schedule, until the first valid card with this privilege is presented to the card reader. The door continues to remain unlocked for the remainder of the unlock schedule.

Deduct Usage Counter

- For cards designated as "temporary", this option decreases the usage counter by one every time this card is used at the access point. When the usage counter reaches zero, the card deactivates.

Anti-Passback

- The anti-passback timer starts when access is granted. In this mode the user cannot re-enter this door until the anti-passback timer expires. When the timer expires the user has access. The anti-passback timer is programmable from 0 to 900 seconds. The default is 300 seconds.

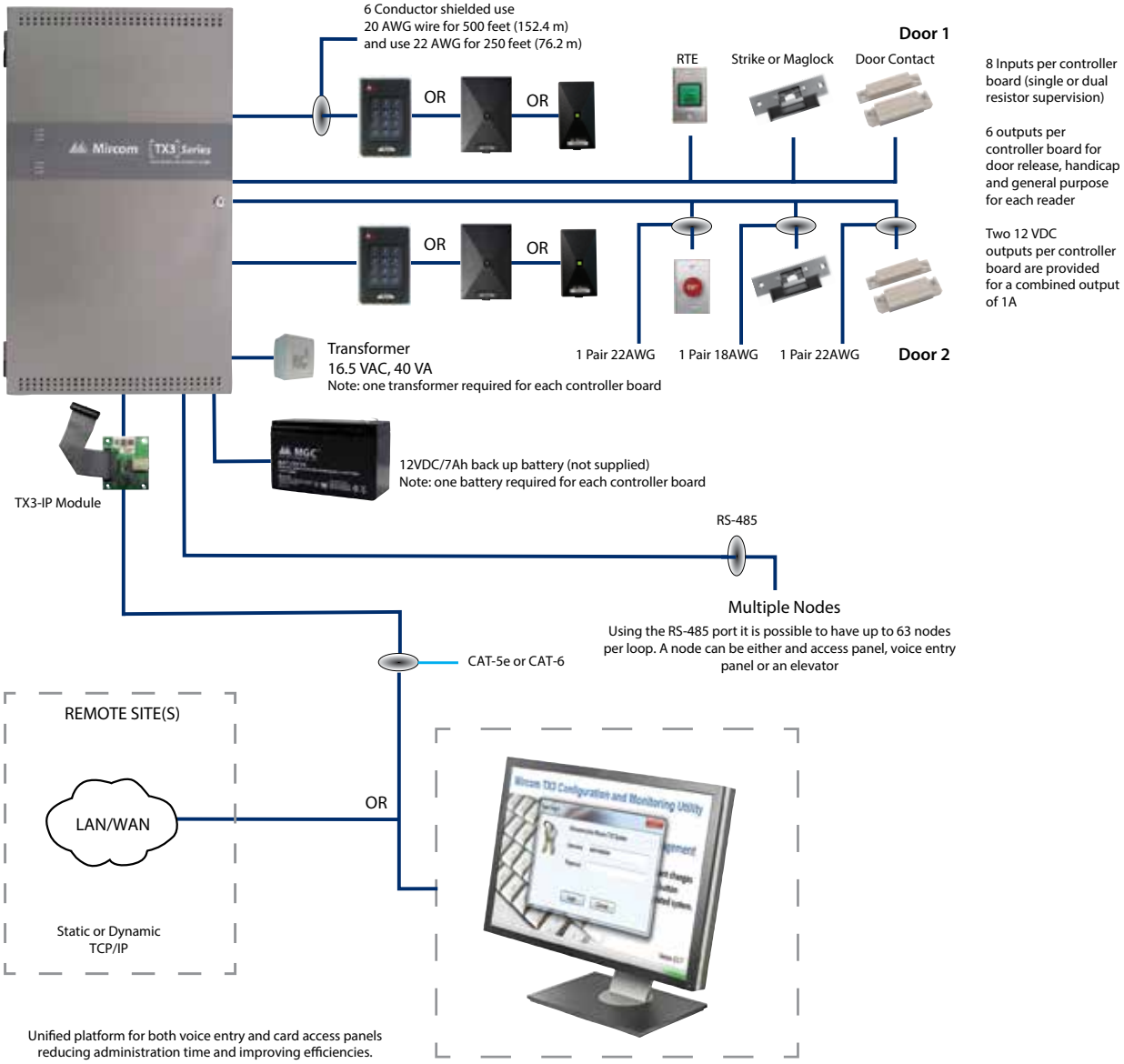
Mantrap/Interlocking Doors

- This feature monitors and controls access to a high value or critical security area by ensuring one door is locked before opening the second door.

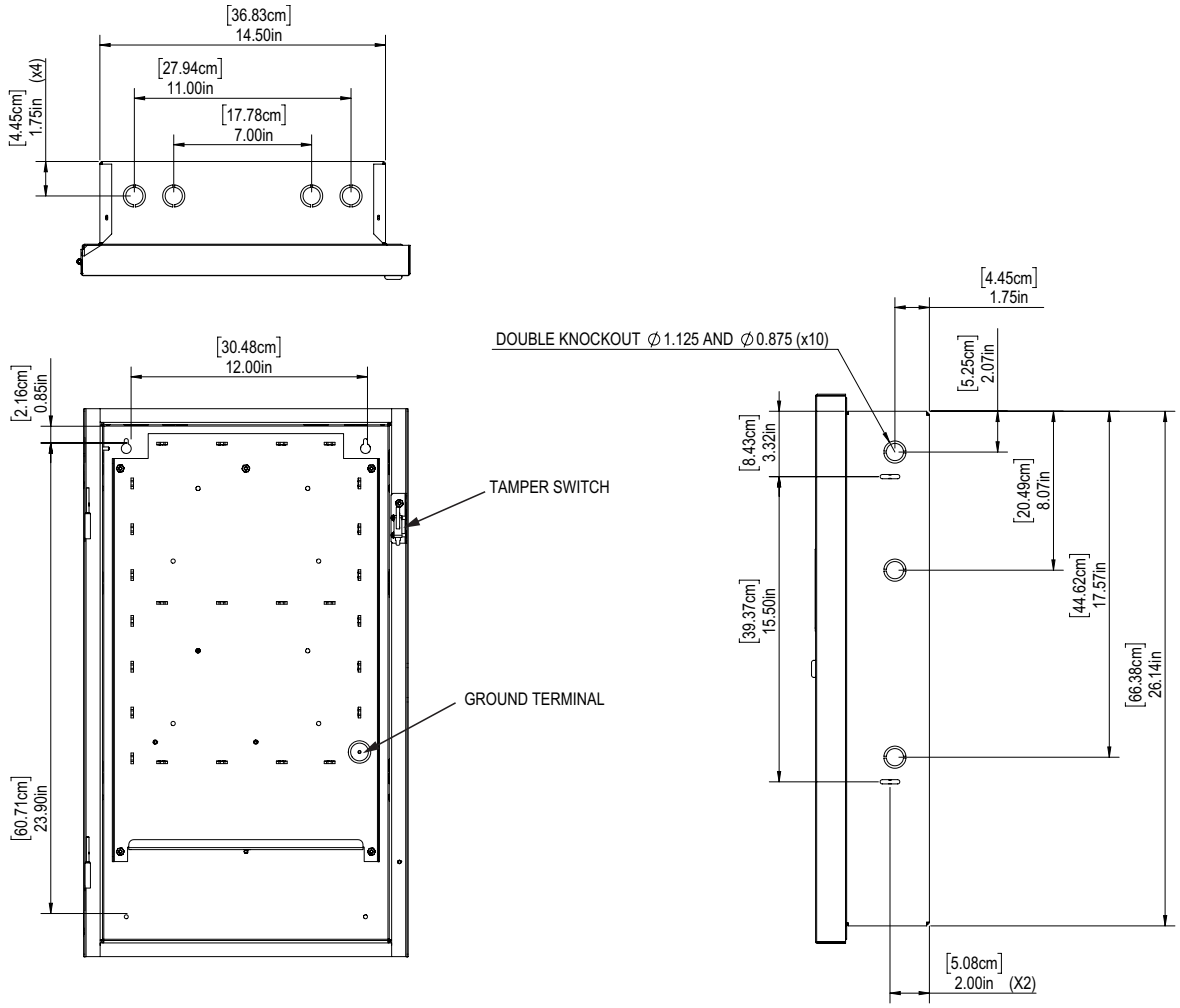
Compatibility

- Compatible with any Wiegand reader technology including Mifare, biometric, proximity and iClass.
- Elevator Control for up to 96 floors to restrict users to specific floors.

TX3 Card Access System Wiring



Specification



Size	16.7" x 27.9" (42.42 cm x 70.87 cm)
Knock-out Dimensions	0.875" (2.22 cm) and 1.25" (3.18 cm) diameter
Battery Back-up	Five or seven ampere hour battery. (Not included.)
Power	16 VAC for each 2 door controller board (Separate transformer included.)
Optional Power Supply	Single optional power supply available, 24 VDC, can power up to four 2 door controller boards
Optional Power Supply	Dimension: 9.75" length x 7.5" width x 2” depth (24.77 cm x 19.05 cm x 5.08 cm)

Ordering Information

Model	Description
TX3-CX-4-A	4 Door Access Control System c/w two door controller boards (leaving space to add two additional 2 door controller boards), transformers, 1 IP module, Configurator software and a USB cable. For Battery Backup, add two 12 VDC batteries, 5 Ah or 7 Ah.
TX3-CX-4K-A	4 Door Access Control System Kit c/w two door controller boards (leaving space to add two additional 2 door controller boards), four proximity card readers (TX3-P300-HA), transformers, 1 IP module, Configurator software and a USB cable. For Battery Back-up, add two 12 VDC batteries, 5 Ah or 7 Ah.
RB-MD-1093	2 door controller replacement board, order this to extend the card access system (one 8 door controller chassis can house up to four 2 door controller boards)
Proximity Readers	
SR-2400-GR-MP	Mullion Mount Reader, 5 to 12 VDC. Dimensions: 4.5 x 1.8 x 0.70 inch (11.4 x 4.5 x 1.8 cm)
TX3-P300-HA	Mini Mullion mount, 5 to 16 VDC, Dimensions: 3.2 x 1.7 x 0.7 inch (8.0 x 4.3 x 1.7 cm)
TX3-P500-HA	Single Gang Mount Reader, Grey, 5 to 16 VDC, Dimensions: 4.6 x 3.1 x 0.36 inch (11.7 x 7.7 x 0.9 cm)
TX3-P640-H-A	Keypad with Proximity Reader, Single gang mount, 5 to 16 VDC. 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)
TX3-WRR-22	Dual Channel Receiver for use with TX3-WRT-2H
TX3-WRR-44	Wiegand Receiver for use with TX3-WRT-4H four button transmitters.
13.56 MHz Readers and Credentials	
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-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)
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)
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)
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)
TX3-WRT-2H	Two Button transmitter with HID supported proximity tag.
TX3-WRT-4H	Four Button transmitter with HID supported proximity tag.
TX3-WRT-2M	Mini 2-button transmitter, no proximity insert, standard hole for an adhesive tag insert
Mobile Access Credential 2.4 GHz	
TX3-CMC-2	Mobile Smartphone Credential, 2.4-GHz frequency
Accessories	
TX3-IP	Add-on TCP/IP Module fits on top of the TX3-CX-2K-A or TX3-CX-2-A motherboard
TX3-PS24-5A	Switching Power Supply with Chassis, 24Vdc, 156Watt, 5A
TX3-MDM	Modem module mounts onto control panel board
TX3-DATA-MDM	Modem USB 2.0 stick, one required per PC. Compliant with V.92, V.90 and V.44
TX3-USB-AD	USB to RS-485 Adaptor kit includes an MD-993 module and mounting hardware
Batteries	
BAT-12V5A	Battery, 12 VDC, 5 Ah, one required per TX3-CX Control panel
BAT-12V7A	Battery, 12 VDC, 7.2 Ah, one required per TX3-CX Control panel

Canada
25 Interchange Way Vaughan, ON L4K 5W3
Telephone: (905) 660-4655 | Fax: (905) 660-4113

U.S.A.
4575 Witmer Industrial Estates Niagara Falls, NY 14305
Toll Free: (888) 660-4655 | Fax Toll Free: (888) 660-4113

www.mircom.com

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