

**[TX3 Series]**  
ACCESS CONTROL



**Description**

Mircom's TX3-CX-2K-A is a powerful hybrid IP and RS-485 networked two door controller that will manage up to 126 doors using the RS-485 network. Use TCP/IP and the system is virtually unlimited. Simply add a TX3-IP module to the panel for TCP/IP networks. The TX3-CX-2K-A Kit comes complete with one TX3-CX controller, two TX3-P300-HA readers, a configurator software on a flash memory stick and a USB cable for programming.

**TX3-CX-2-A Door Controller**

The TX3-CX-2-A controller has a unique feature of being compatible with the entire family of TX3 platform solutions from voice entry, elevator restriction and wireless Aperio locksets. Unlike other platforms, the TX3 will meet the basic job requirements and accommodate other elements of an intelligent building as the need arises.

**TX3-P300-HA Proximity Reader**

The access control kit includes two TX3-P300-HA proximity card readers that deliver exceptional value without compromise on quality, durability, and performance. The TX3-P300-HA proximity card reader comes in an attractive, slim line dark grey enclosure. The reader may be mounted on a metal door frame, a window mullion or directly to an interior or exterior wall or cabinet.

The electronics of the TX3-P300-HA reader are encapsulated in a UL approved epoxy resin potting compound to seal them against adverse environmental conditions. The TX3-P300-HA proximity card readers are metal compensated, resulting in minimal loss of read range and provide ease of installation in various door access applications.

**Feature/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.
- 8 supervised inputs for a wide selection of monitoring points to be shared between the two card readers
- 8 programmable outputs; 6 are Form C contacts (normally open/normally closed), two provide 12 VDC power for up to 1 ampere of current combined
- 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)
- Unified database for 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. A modem, a TCP/IP module or use a local USB extender to a PC
- 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
  - Anti-Pass Back  
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
  - Delayed Egress  
This feature requires a user to press and hold a request to exit bar/button before releasing the door enabling security to respond before releasing the door
- 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

## Access Control Panels



### TX3-CX-2K-A Two Door Controller Kit

Comes complete with;

- Two door controller
- Two mullion mount card readers
- System software configurator
- USB cable for connection to PC



### TX3-CX-2-A Two Door Controller

A two door controller with system software and a USB cable.

**Dimensions:**

14" (h) x 12" (w) x 2.8" (d) / 356 mm (h) x 305 mm (w) x 71mm (d)

## Readers



### SR-2400-GR-MP Mullion Mount Reader

The SR-2400-GR-MP is designed to fit on a 1 3/4" standard metal door or window frame. A metal compensation feature ensures minimal read range loss when the reader is mounted on metal. The readers low profile design esthetically blends to any indoor or outdoor wall surface by two mounting screws.

**Voltage:** 5 to 12 VDC

**Dimensions:**

4.5 x 1.8 x 0.70 inch (11.4 x 4.5 x 1.8 cm)



### TX3-P500-HA Single Gang Mount Reader

The TX3-P500-HA is a switch plate reader designed to easily mount directly on a single gang box with a read range of up to 8 inches (20 cm).

**Voltage:** 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

The TX3-P640-H-A is a combined proximity reader with 12 button keypad designed to fit directly on a single gang box. The TX3-P640-H-A is ideal for dual authentication for high security requirements or where a convenient PIN access would be required.

**Voltage:** 5 to 16 VDC

**Dimensions:**

4.6 x 3.0 x 0.4inch (11.7 x 7.7 x 1.0 cm)



### TX3-WRR-22

Dual Channel receiver compatible with TX3-WRT-2H two button transmitters.



### TX3-P300-HA Mini Mullion Mount Reader

The TX3-P300-HA is used for indoor or outdoor applications for up to 6 inch read range.

**Voltage:** 5 to 16 VDC

**Dimensions:**

3.2 x 1.7 x 0.7 inch (8.0 x 4.3 x 1.7 cm)



### TX3 Credentials

A full complement of credential styles.

## Elevator Restriction

Elevator control is ideal for mixed use buildings where retail and residential access share common elevators. With our TX3-ER-8-B elevator control the user can restrict access to specific floor or floors for each card holder.

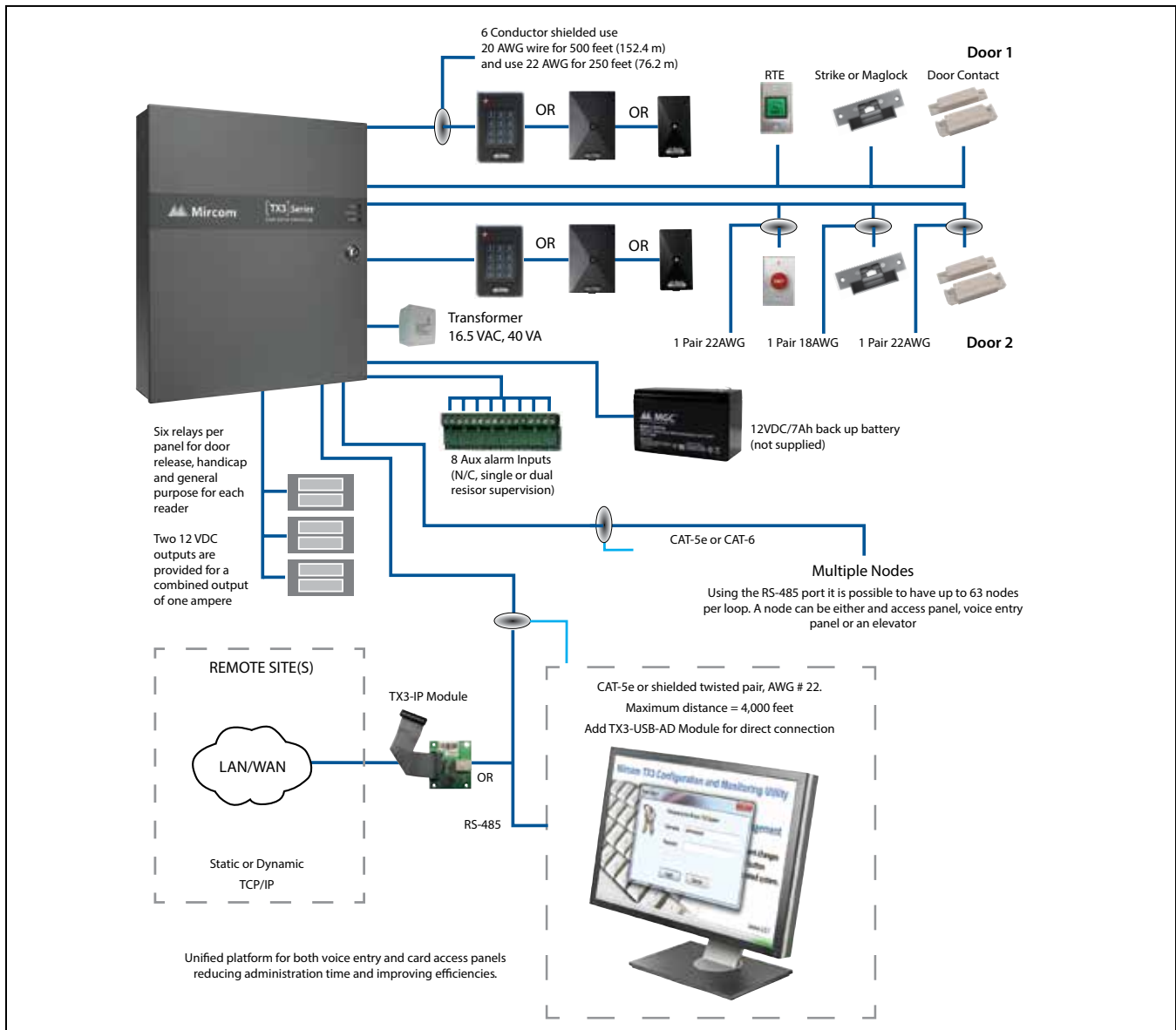
The TX3-ER-8-B provides access to a maximum of 96 floors, using 2012E relay cards. Typically, a user presents his card to the card reader in the cab, then the relays assigned to the card will trip and provide activation to the floor buttons in the elevator cabin and the user can select from the floors he has been granted access.

TX3-ER-8-B Elevator Restriction Cabinet  
2012E Twelve Unit Elevator Restriction Card

## PC Requirements

- Windows 10 Pro (32-bit and 64-bit)
- Windows 10 Home (64-bit)
- Windows Server 2016 (64-bit)
- Windows 8.1 Pro (64-bit)
- Windows 7 Pro (32-bit and 64-bit)
- 1 GB RAM
- 1.8 GHz CPU
- 600 MB disk space
- 1 USB port

## TX3 Two Door Controller Wiring



## Ordering Information

Model	Description
TX3-CX-2K-A	Two Door Access Control System Kit c/w one TX3-CX Door Controller, two proximity card readers (TX3-P300-HA), transformer, Configurator software and a USB cable. For Battery Back-up, add one 12 VDC battery, 5 Ah or 7 Ah.
TX3-CX-2-A	Two Door Controller in a grey metal lockable cabinet including a 16VAC transformer, software and USB cable. Battery Back-up: Add one 12 VDC battery, 5 Ah to 7 Ah.
<b>Proximity Readers</b>	
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.
<b>13.56 MHz Readers and Credentials</b>	
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)
<b>Proximity Cards &amp; Key Tags</b>	
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.
<b>Mobile Access Credential 2.4 GHz</b>	
TX3-CMC-2	Mobile Smartphone Credential, 2.4-GHz frequency
<b>Accessories</b>	
TX3-IP	Add-on TCP/IP Module fits on top of the TX3-CX-2K-A or TX3-CX-2-A motherboard
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
<b>Batteries</b>	
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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