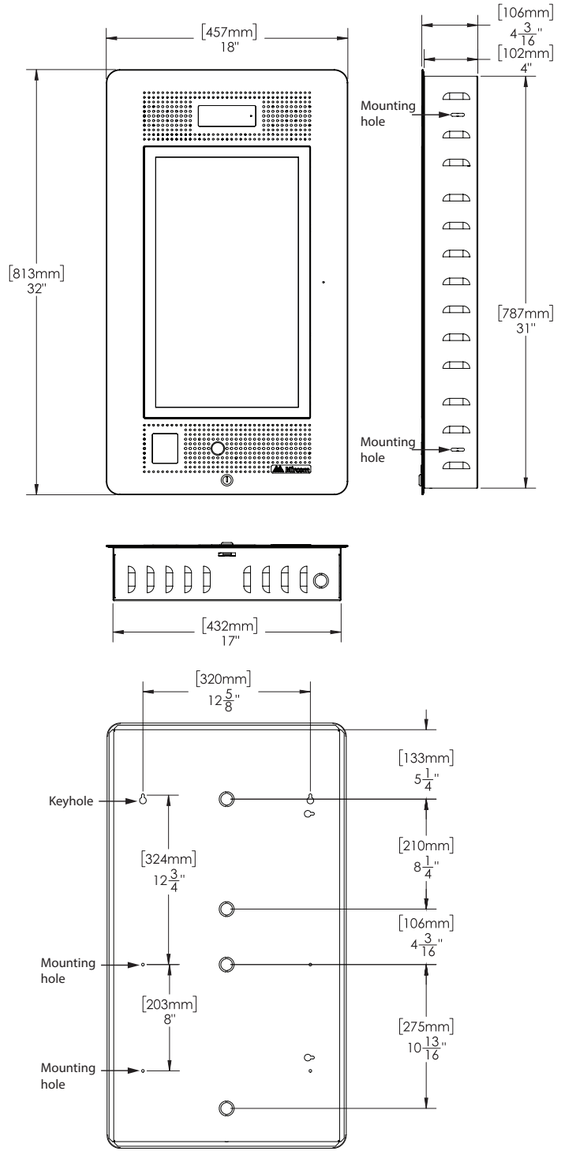
TX3-TOUCH-F22-C/D/E QUICK START



1 Mount the Enclosure

Attention: The 22" Touch Screen enclosure is heavy (80 lbs or 37 kg).
Never attempt to lift this product by yourself. At least two people should lift it together.

The enclosure mounts on the wall. Mount the enclosure right-side up (the Mircom logo on the door is in the lower right corner).

You need:

6 fasteners appropriate for the wall that you are mounting the enclosure on.

1. Find a suitable location for the enclosure. You can mount the enclosure using the keyholes on the back, or the knockouts on the side, or both.
2. Trace an opening in the wall for the enclosure with one side aligned with a wall stud.
3. Cut an opening in the wall 3/32" (3 mm) larger than the tracing.
4. Insert the enclosure into the wall cutout, and using the side of the enclosure as a template mark the hole mounting locations.
5. If you are using the keyholes, remove the enclosure and place 2 fasteners halfway into the wall into the two top keyhole locations.
6. Place the enclosure onto the top fasteners, then lower it so that the fasteners fit in the narrow part of the keyholes.
7. Screw the other fasteners into the remaining holes.
8. Tighten all fasteners into place.

Installation Prerequisites

- Verify that the building telephone infrastructure is operational. When wiring an NSL installation it may be necessary to check each resident's line.
- Ensure there is a provision for a ground circuit. The Telephone Access System assembly must be grounded by a qualified electrician. An improperly grounded unit can result in equipment malfunction and void the warranty.
- Use the latest Telephone Access System controller firmware. Mircom periodically updates panel firmware and Configurator Software to add features and correct any minor inconsistencies. For information about the latest firmware or software visit the 'Manuals and Downloads' section of the Mircom website at **www.mircom.com**

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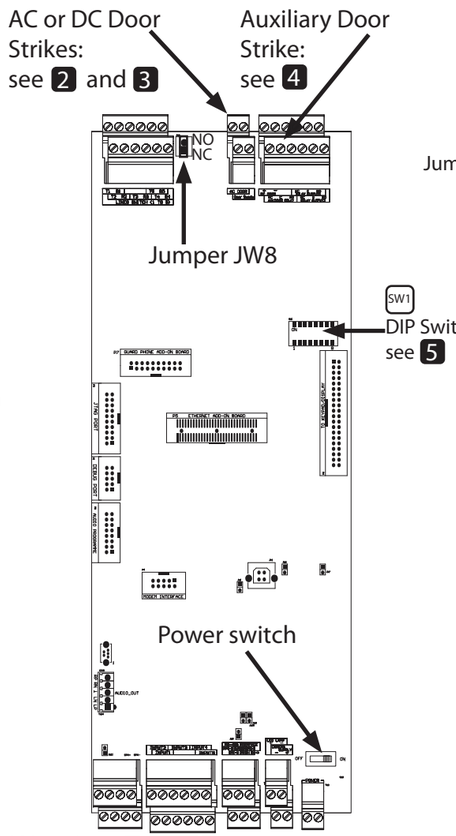
Tel: 1-888-647-2665

For more details, see LT-996 and LT-969 on the Mircom website and the USB flash.
Mircom technical support: 1-888-647-2665



Warning: Turn the power off before wiring.
Install all power supplies outside the enclosure.

Wiring Requirements
Unless specified otherwise, all wiring is a maximum length of 1000 ft (304.8 m).

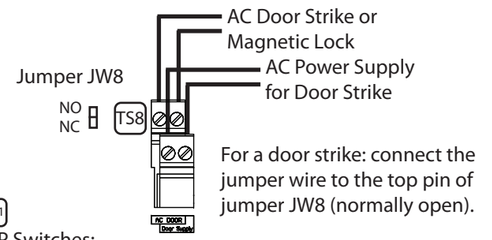
RS-485: Maximum total length: 4000 ft (1219.2 m)
Use twisted shielded pair.

Door Strike: The door strike power supply depends on the door strike power requirements.

Maximum Power Supply Wire Distances

Gauge	Distance
16	125 ft (38.1 m)
14	200 ft (60.96 m)
12	320 ft (97.536 m)
10	500 ft (152.4 m)

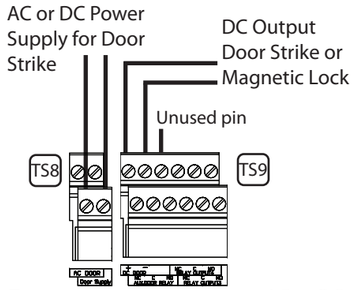
2 AC Door Strike or Maglock
18 AWG



For a door strike: connect the jumper wire to the top pin of jumper JW8 (normally open).

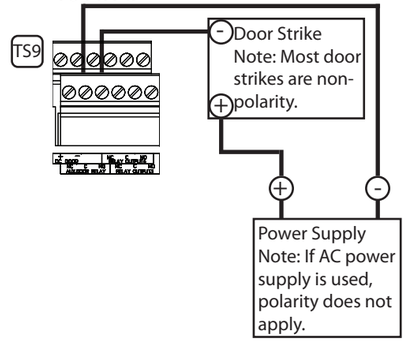
For a maglock: connect the jumper wire to the bottom pin of jumper JW8 (normally closed).

3 DC Door Strike
(Output 1)
18 AWG

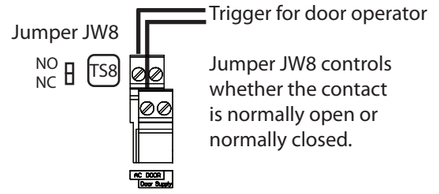


The maximum supply for the AC or DC Power Supply for Door Strike must not exceed:
28 VAC / 1 A max
30 VDC / 1 A max

4 Auxiliary Door
(Output 2)
18 AWG

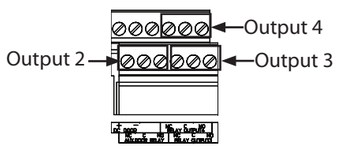


Alternative Wiring for Dry Contact



Jumper JW8 controls whether the contact is normally open or normally closed.

Outputs 2-4



Contact ratings for outputs 2-4:
125 VAC / 2 A
30 VDC / 1 A

5 DIP Switch Settings for RS-485 Address

Each Touch Screen must have a unique RS-485 address.
Use DIP switches 1-6 to set the RS-485 network address. See LT-969 for details.
Leave DIP switch 7 on.

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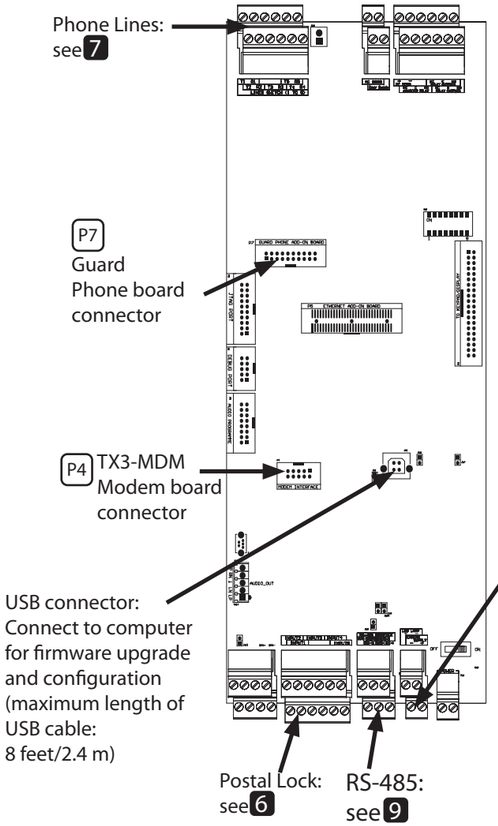
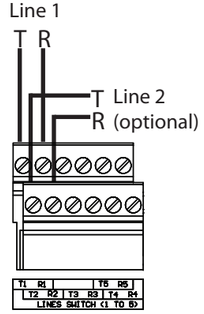
TX3-TOUCH-F22-C/D/E QUICK START

Warning: Turn the power off before wiring.



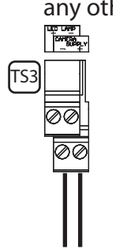
7 Phone Lines



Non-configurable PBX systems are not supported. For more information, contact Mircom technical support at 1- 888-647-2665.

8 Camera Supply

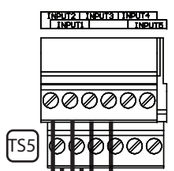
Note: Do not use for any other purpose



Camera Power Supply (12 VDC)

6 Postal Lock (Input 1)

Fire Alarm Override (Input 2)
Door Contact (Input 3)
22 AWG



Door Contact

Activation of this input relocks the main door (Output 1).

Postal Lock

Warning: Do not attach the wiring until after the postal lock is installed.

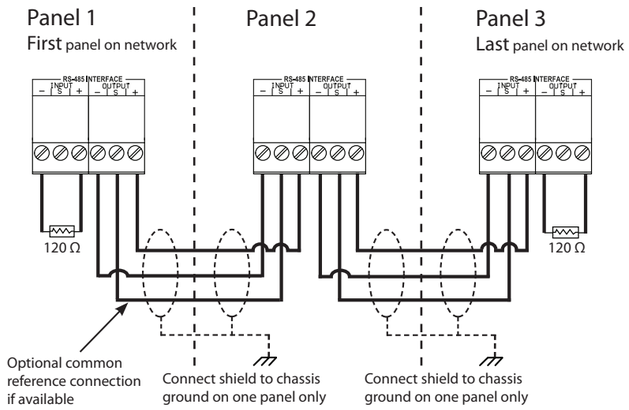
Fire Panel

Activation of this input unlocks the main and auxiliary doors (Outputs 1 and 2).

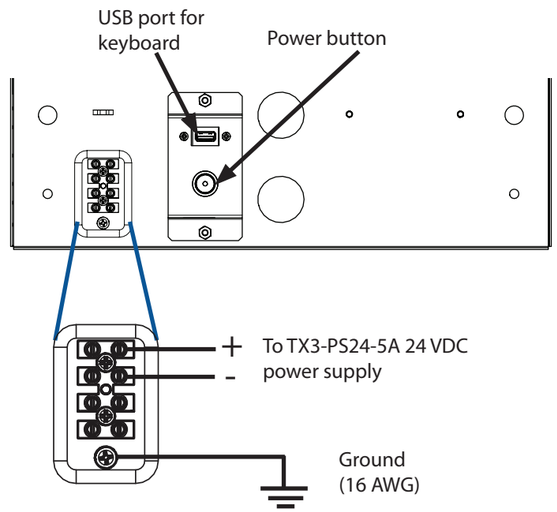
For more details, see LT-996 and LT-969 on the Mircom website and the USB flash.
Mircom technical support: 1-888-647-2665

9 RS-485

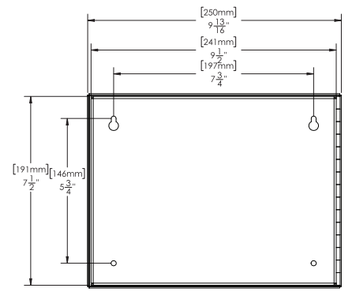
Maximum total length: 4000 ft (1219.2 m) for 22 AWG
Use twisted shielded pair. See LT-996 for complete details.

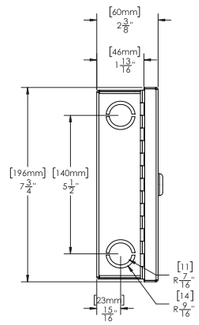


10 Ground and Power



11 Mount the TX3-PS24-5A 24 VDC, 156 W Power Supply





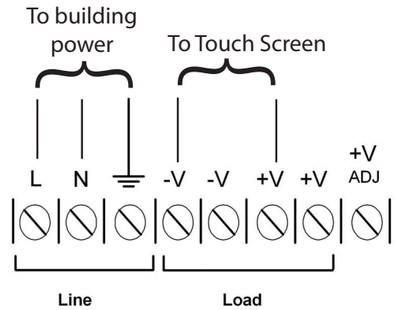
To surface mount the power supply enclosure:
You need 4 fasteners appropriate for the wall that you are mounting the enclosure on.

1. Find a suitable location for the power supply enclosure, such as over a wall stud.
2. Using the enclosure as a template, mark the two top mounting hole locations. Ensure that at least one side is over a wall stud.
3. Remove the enclosure and place two wall fasteners halfway into the marked hole locations.
4. Place the enclosure onto the fasteners and lower it so that the fasteners fit in the narrow part of the keyholes.
5. Screw the other two fasteners into the two remaining holes.
6. Tighten all four fasteners into place.

Note: The enclosure can also be mounted directly onto the drywall using anchors.

12 Connect the Power

1. Set the voltage selectable switch on the power supply to the appropriate voltage. The voltage selectable switch can be set to either 115 V or 230 V.
2. Connect the load power supply wires to the Touch Screen terminal screws as shown in step 10.
3. Connect the other end of the load power supply wires the **Load** terminals.
4. Connect the building power supply wires to the **Line** terminals as shown below.
5. Turn the power on by pressing the power button.



13 Connect the UPS

Note: If the Touch Screen has Windows 10, then the UPS is not required. Touch Screens with Windows 10 have an SO-440/ SO-441/ SO-411 sticker with the version 2.15.7 or higher on the PC board.

Follow the manufacturer's instructions included with TX3-TOUCH-UPS-KIT, and see the Mircom document LT-6714, included with TX3-TOUCH-UPS-KIT.

WARNING
To ensure the security of occupants, change the level 3 passcode from its default setting. See LT-995 on mircom.com for details.

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