ASSEMBLING TX3-TOUCH-S22

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:**
4 fasteners appropriate for the wall that you are mounting the enclosure on.

1. Find a suitable location for the enclosure. The wall must be able to support a weight of 80 lbs (37 kg).
2. Mark the back mounting locations of the two top screws. Ensure that at least one screw is over a wall stud.
3. Place the fasteners halfway into the wall in the two top keyhole locations and wall stud.
4. Place the enclosure onto the fasteners, then lower it so that the fasteners fit in the narrow part of the keyholes.
5. Screw the other fasteners into the remaining holes.
6. Tighten all fasteners into place.

**Maximum Power Supply Wire Distances**

<table>
<thead>
<tr>
<th>Gauge</th>
<th>Distance</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>125 ft (38.1 m)</td>
<td>125 ft (38.1 m)</td>
</tr>
<tr>
<td>14</td>
<td>200 ft (60.96 m)</td>
<td>200 ft (60.96 m)</td>
</tr>
<tr>
<td>12</td>
<td>320 ft (97.386 m)</td>
<td>320 ft (97.386 m)</td>
</tr>
<tr>
<td>10</td>
<td>500 ft (152.4 m)</td>
<td>500 ft (152.4 m)</td>
</tr>
</tbody>
</table>

**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:** 22 AWG twisted pair, maximum length: 4000 ft (1219.2 m). Mircom recommends shielded cable.

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

2 AC Door Strike or Maglock

18 AWG

3 DC Door Strike

(18 AWG)

4 Auxiliary Door

(Output 2)

18 AWG

5 DIP Switch Settings

for RS-485 Address

For more details, see LT-996 and LT-969 on the Mircom website and the USB flash.

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LT-6063 rev 4
Warning: Turn the power off before wiring.

7 Phone Lines

- Phone Lines: see 7
- Phone board connector
- TX3-MDM Modem board connector
- USB connector: Connect to computer for firmware upgrade and configuration (maximum length of USB cable: 8 feet/2.4 m)

8 Camera Supply

- Camera Power Supply (12 VDC)
- USB port for keyboard
- Power button

9 RS-485

- 22 AWG twisted pair, maximum length: 4000 ft (1219.2 m)
- Mircom recommends shielded cable

10 Ground and Power

- USB port for keyboard
- Power button
- To MD-990 24 VDC power supply

11 Mount the MD-990

- 24 VDC, 156 W Power Supply
- Overall dimensions including door:
  - height: 7 23/32" (196 mm)
  - width: 9 53/64" (250 mm)
  - depth: 2 37/64" (66 mm)
- Knockout dimensions: 1 1/8" (29 mm) and 7/8" (22 mm)

12 Connect the Power

1. Connect the MD-990 load power supply wires to the Touch Screen terminal screws as shown in step 10.
2. Connect the building power supply wires to the MD-990 line terminal screws as shown below.
3. Connect the other end of the building power supply wires the line voltage terminals.
4. Turn the power on by pressing the power button.

For more details, see LT-996 and LT-969 on the Mircom website and the USB flash.
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