

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.

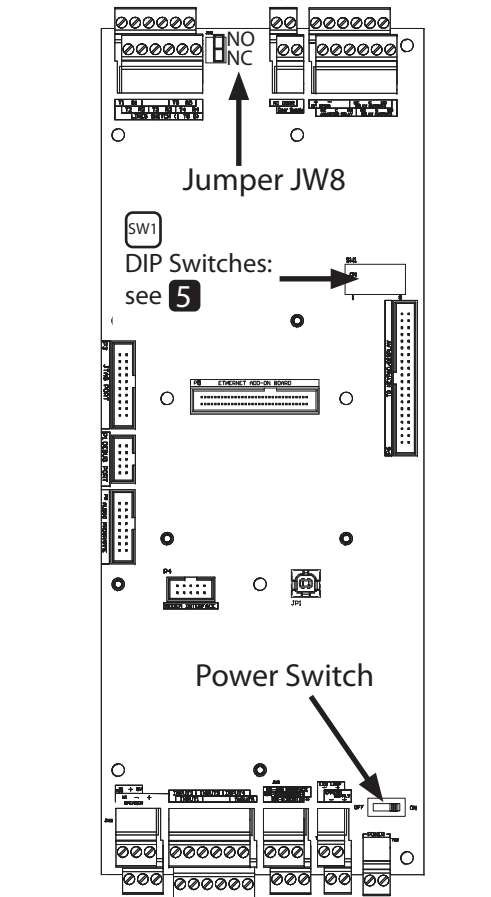
The enclosure mounts on the wall. Mount the enclosure right-side up (the Mircom logo on the door is in the lower right corner).

- 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.

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



Warning: Turn the power off before wiring.

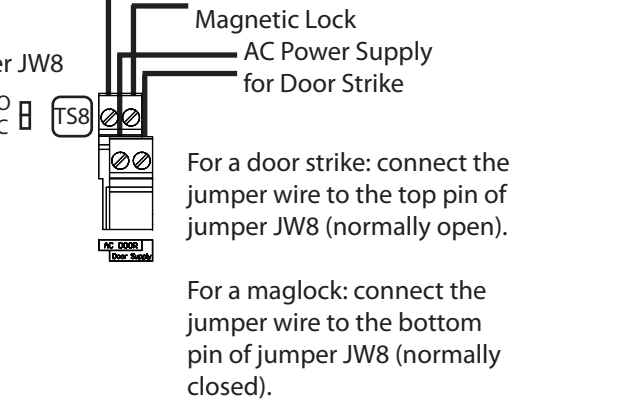
Install all power supplies outside the enclosure.

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

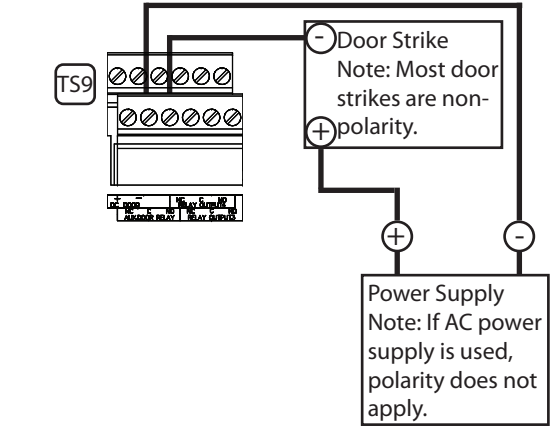
RS-485: 22 AWG twisted pair, maximum length: 4000 ft (1219.2 m). Mircom recommends shielded cable.

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

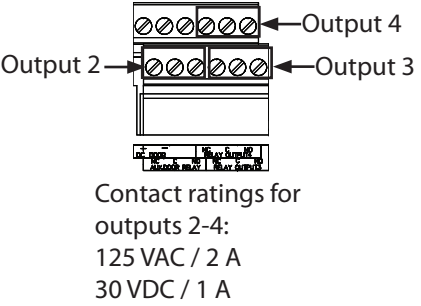
3 DC Door Strike



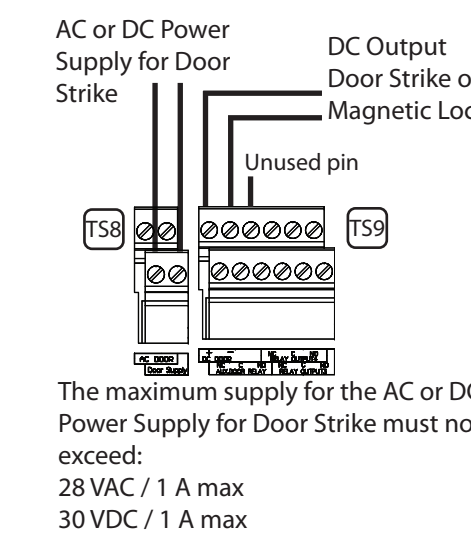
4 Auxiliary Door



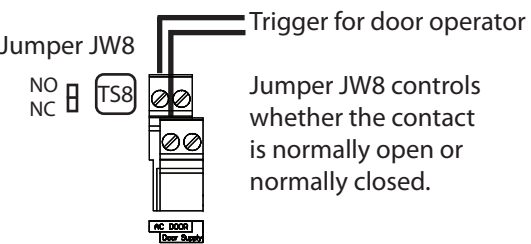
Outputs 2-4



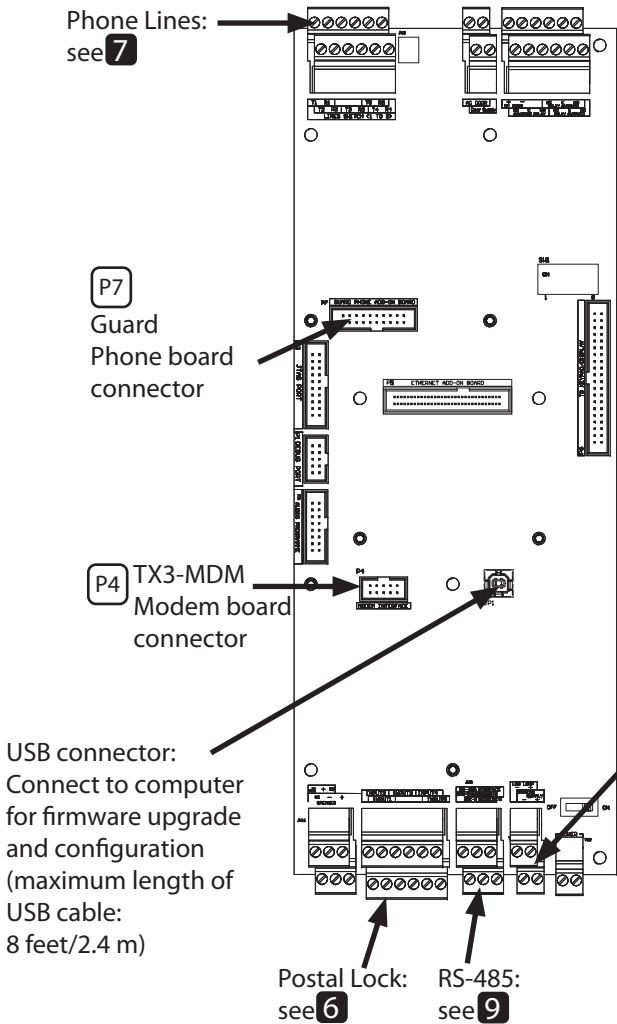
5 DIP Switch Settings



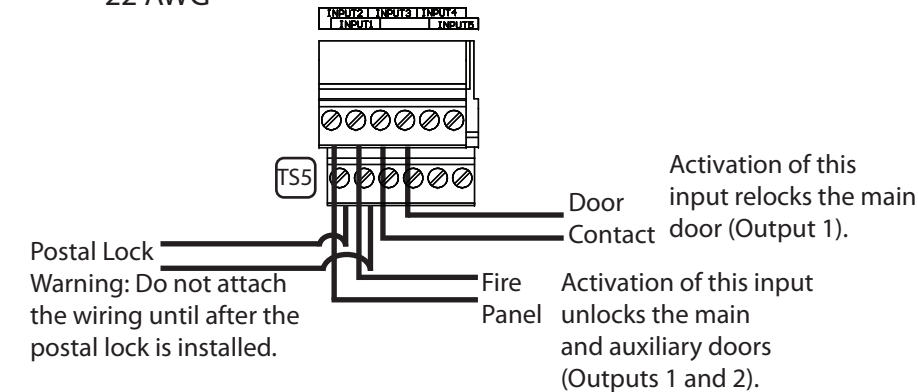
Alternative Wiring for Dry Contact



Warning: Turn the power off before wiring.

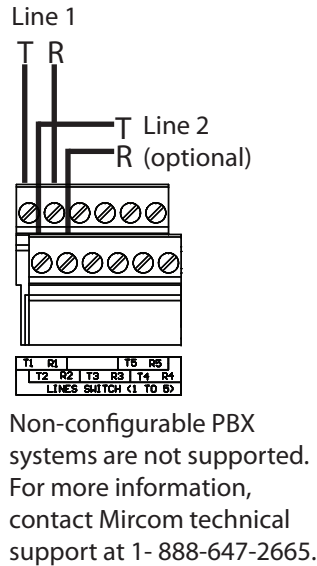


6 Postal Lock (Input 1) Fire Alarm Override (Input 2) Door Contact (Input 3) 22 AWG

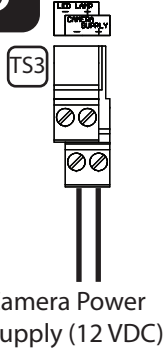


For more details, see LT-996 and LT-969 on the Mircom website and the USB flash.
Mircom technical support: 1-888-647-2665

7 Phone Lines

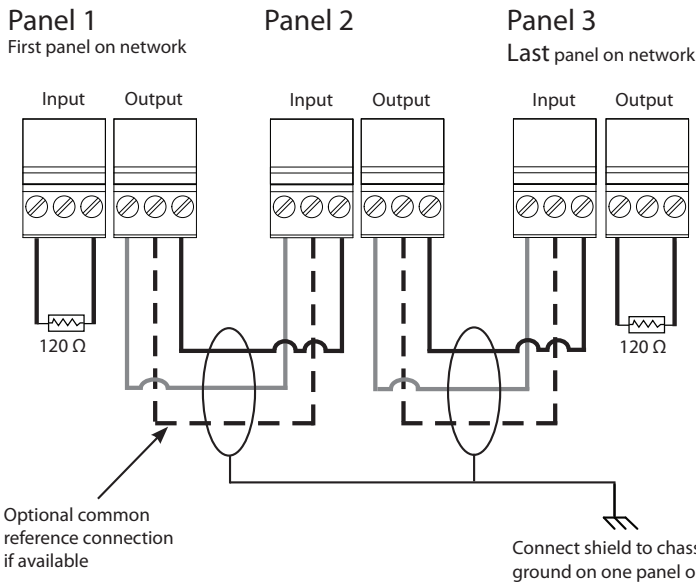


8 Camera Supply

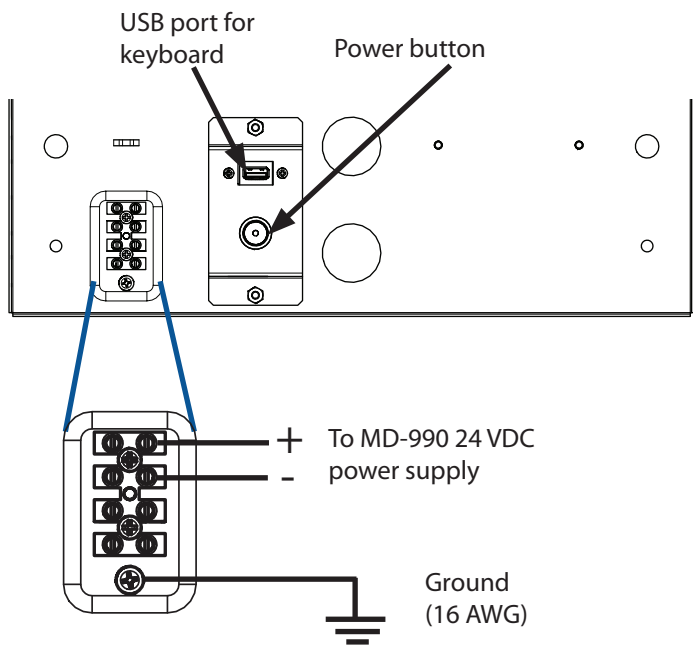


9 RS-485

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

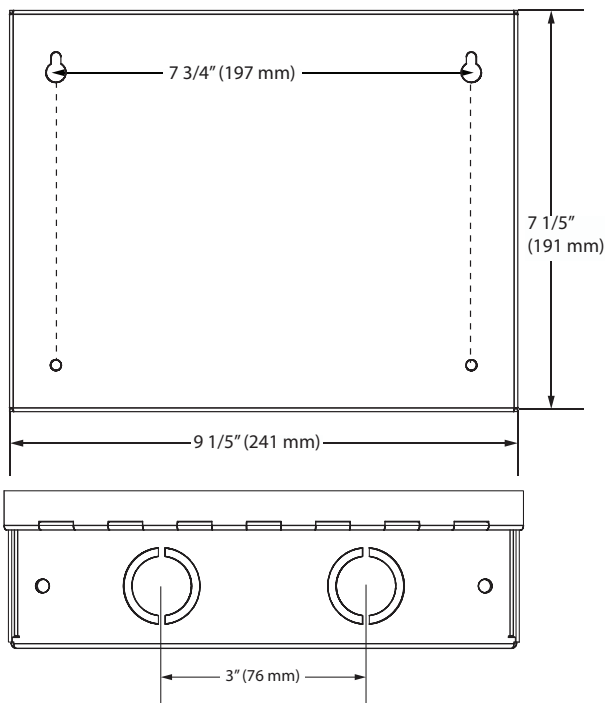


10 Ground and Power



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)



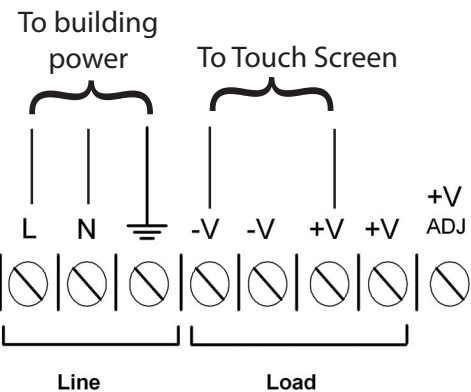
To surface mount the power supply enclosure:

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

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

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.



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