DIMENSIONS OF THE 15 INCH FLUSH MOUNT TOUCH SCREEN

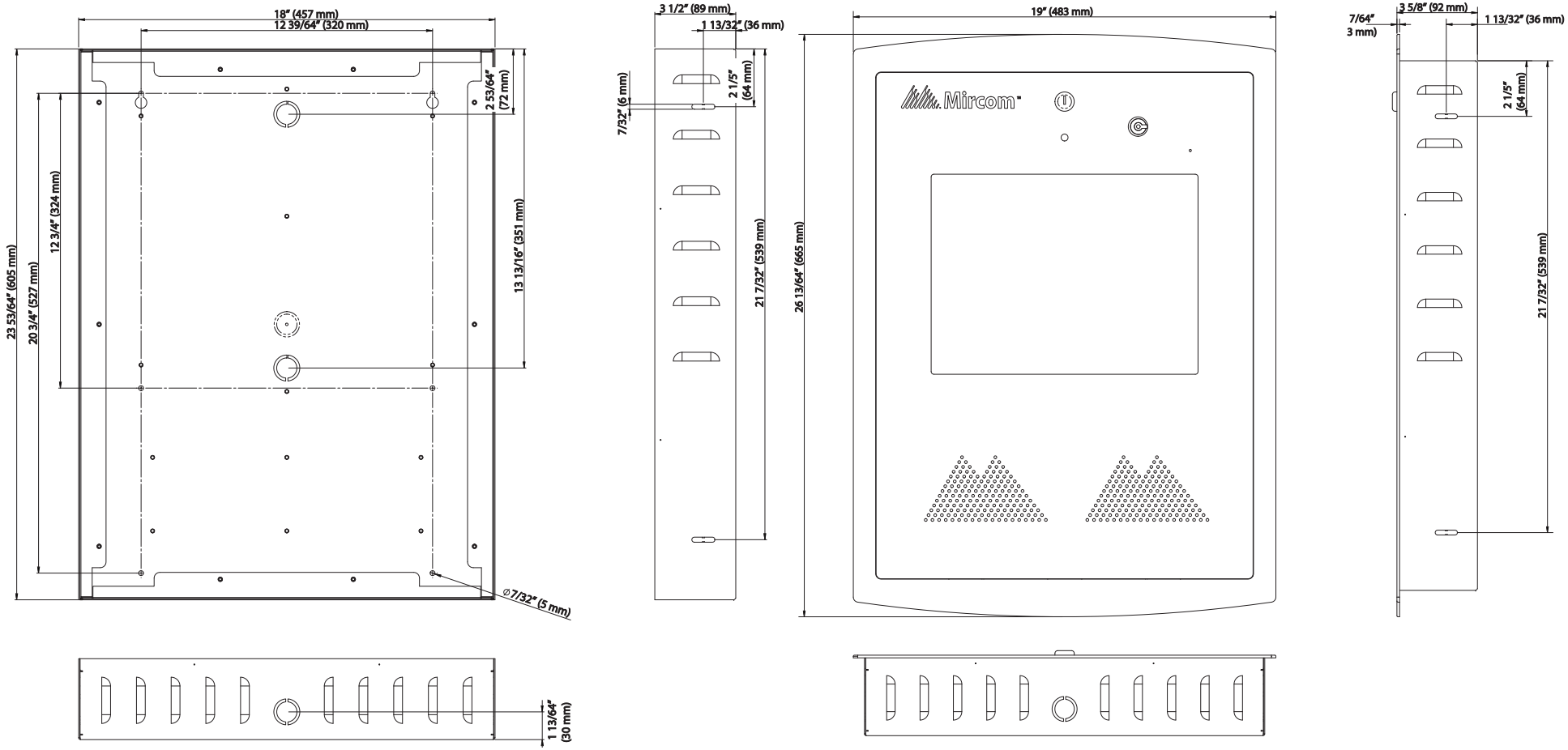


Figure 1: Dimensions of the 15" Flush Mount Touch Screen

1 MOUNT THE ENCLOSURE

The surface mount enclosure mounts on the wall. Mount the enclosure right-side up (the Mircom logo on the door is on the bottom).

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

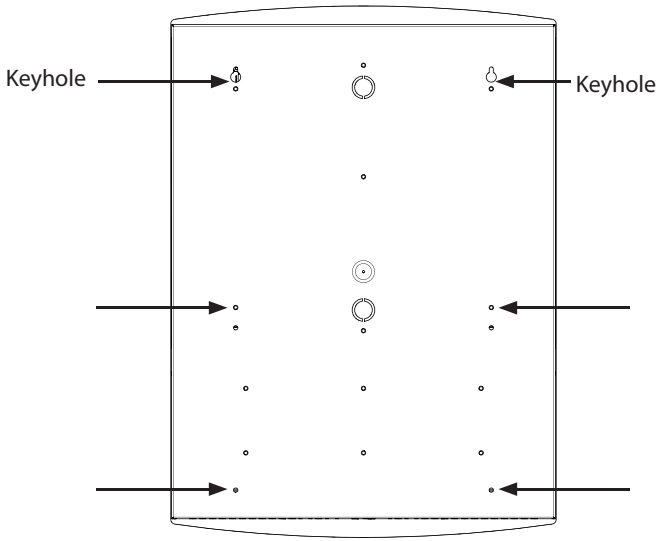


Figure 2: Location of the mounting holes

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. Using the enclosure as a template, trace an opening in the wall for the cutout with one side is aligned with the side of the wall stud.
3. Cut an opening in the wall 0.1 inch larger than the trace ensuring that one side is aligned with the wall stud or supporting structure.
4. Insert the enclosure into the wall cutout and using the side of the enclosure as a template mark the hole mounting locations (either keyholes or knockouts or both).
5. If you are using the keyholes, remove the enclosure and place 2 fasteners halfway into the wall into the marked keyhole locations. Then place the enclosure onto the top fasteners and lower it so that the fasteners fit in the narrow part of the keyholes.
6. Screw the other fasteners into the remaining holes or knockouts.
7. Tighten all fasteners into place.

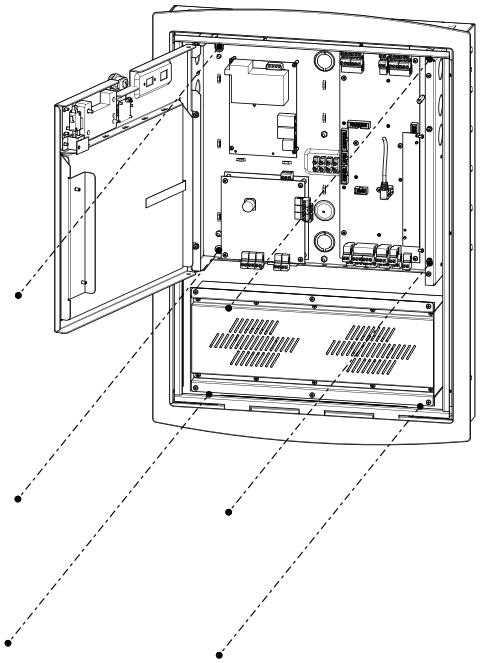


Figure 3: Front View

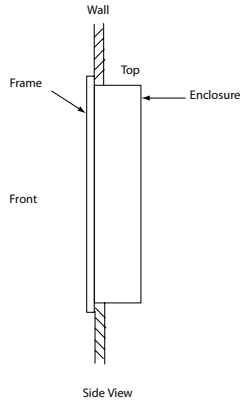
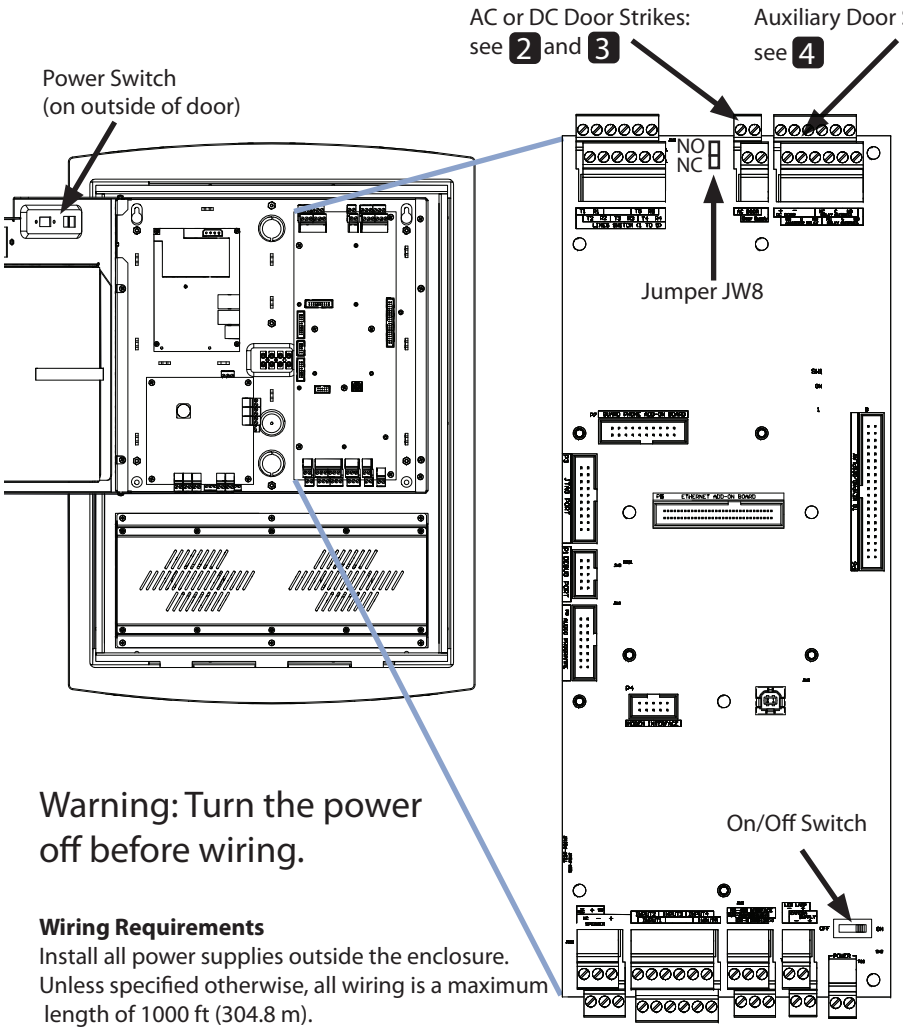


Figure 4: Side View

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



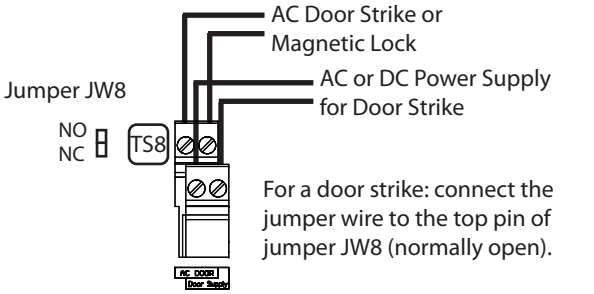
Warning: Turn the power off before wiring.

Wiring Requirements

Install all power supplies outside the enclosure.
Unless specified otherwise, all wiring is a maximum length of 1000 ft (304.8 m).
The RS-485 wiring maximum length is 4000 ft (1219.2 m).
See LT-996 for power wiring lengths.
The door strike power supply depends on the door strike power requirements.

2 AC Door Strike or Maglock

18 AWG

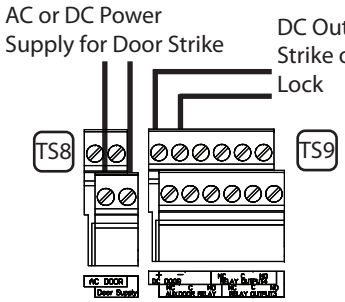


For a door strike: connect the jumper wire to the top pin of jumper JW8 (normally open).

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

3 DC Door Strike (Output 1)

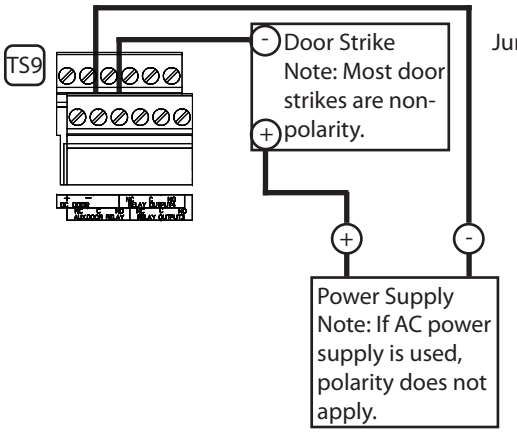
18 AWG



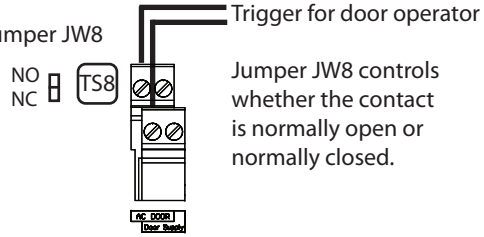
The maximum supply for the AC or DC Power Supply for Door Strike must not exceed:
28 VAC / 1 A max
30 VDC / 1 A max

4 Auxiliary Door (Output 2)

18 AWG



Alternative Wiring for Dry Contact

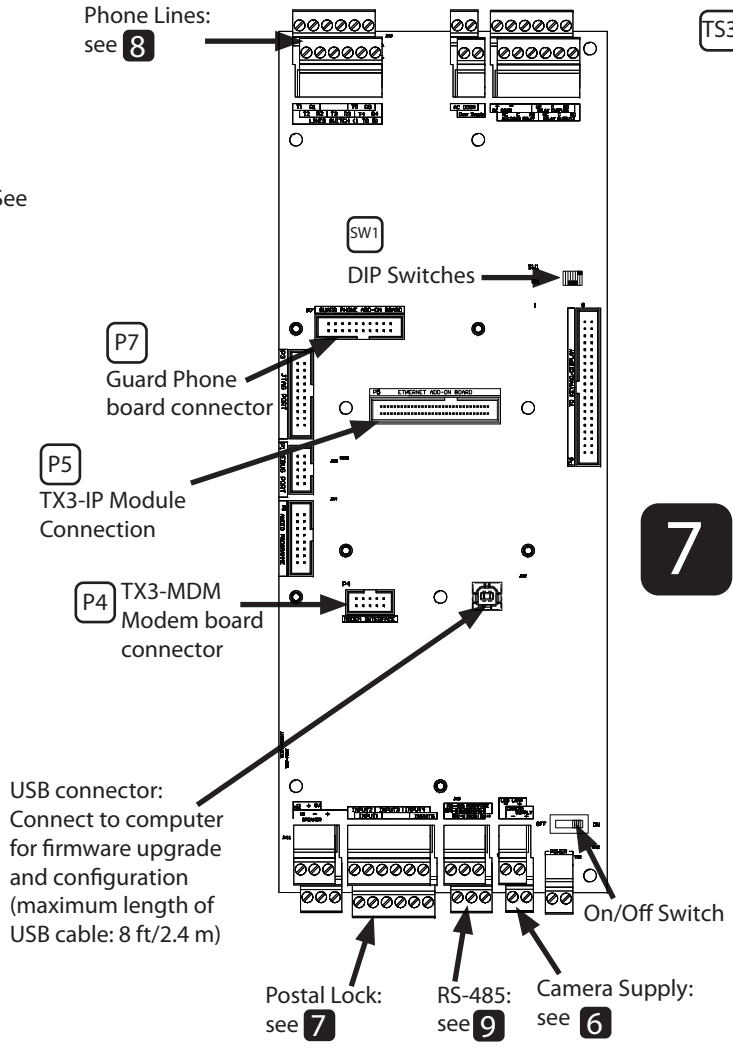


Contact ratings for outputs 2-4:
125 VAC / 2 A
30 VDC / 1 A

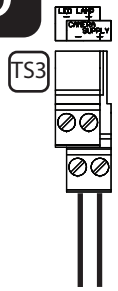
For more information, see LT-996 and LT-969 on the Mircom website and the USB flash. Mircom technical support: 1-888-647-2665

5 DIP SWITCH SETTINGS FOR RS-485

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.

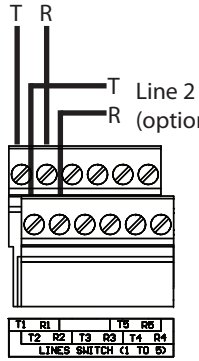


6 Camera Supply



8 Phone Lines

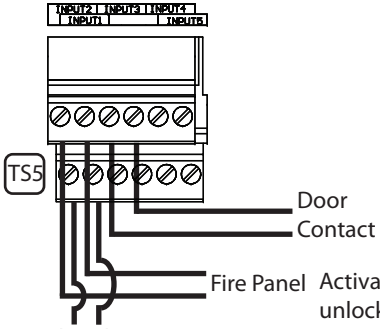
Line 1



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

7 Postal Lock (Input 1)

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



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

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

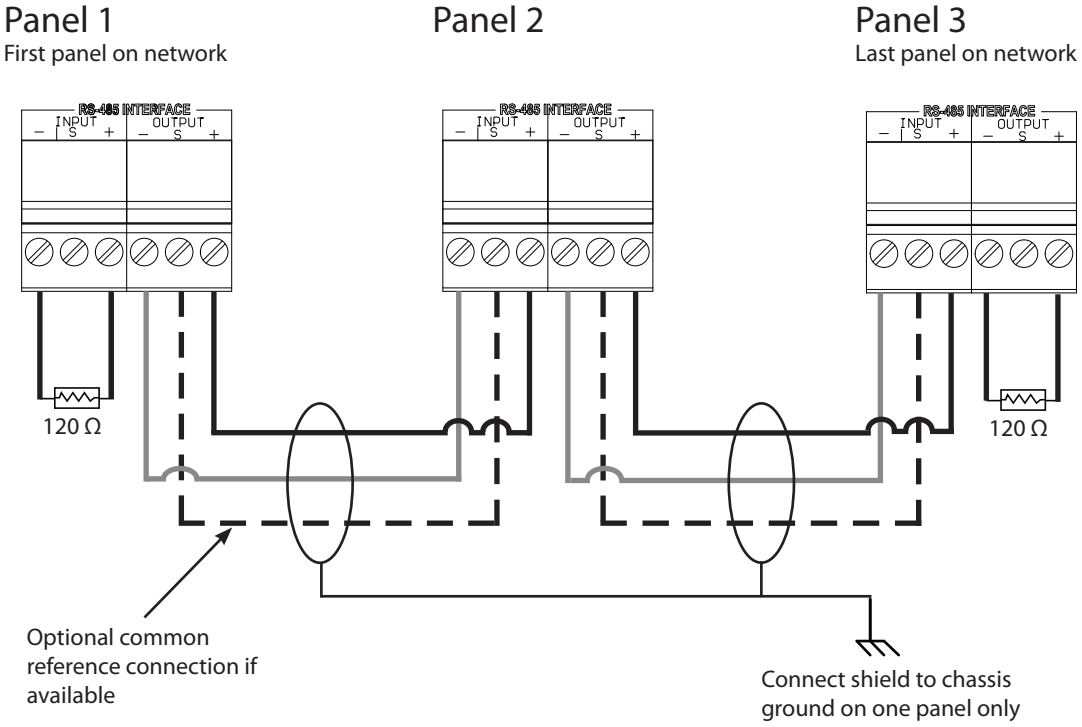
Warning: Do not attach the wiring until after the postal lock is installed.

Warning: Turn the power off before wiring.

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

9 RS-485

22 AWG
Maximum length: 4000 ft (1219.2 m)



10 GROUND

1. Make sure that the power is off.
2. Attach one end of a 16 AWG or larger wire to the ground terminal and connect the other end to the site ground (water pipe).

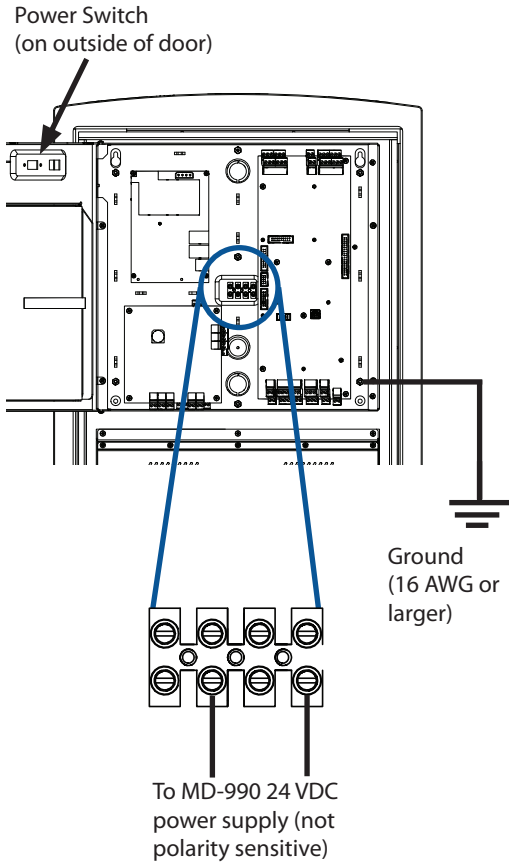


Figure 5: Chassis Ground and Power

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

11 MOUNTING 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)

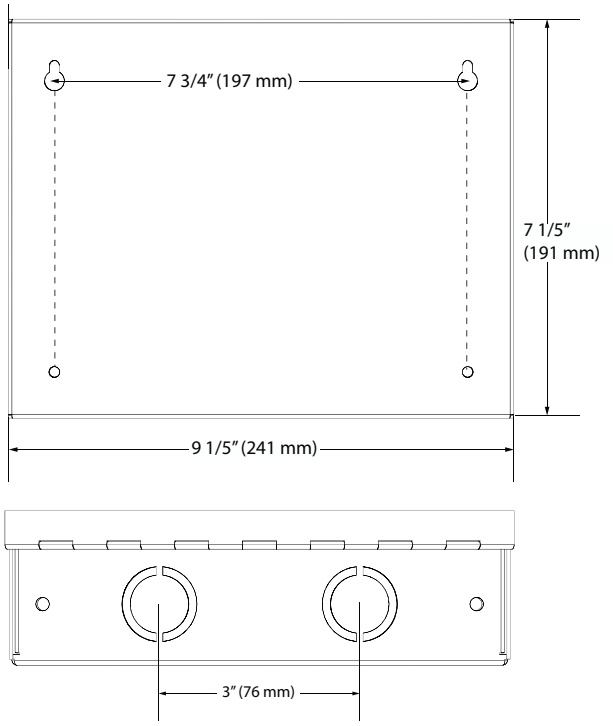


Figure 6: Power Supply Enclosure Dimensions

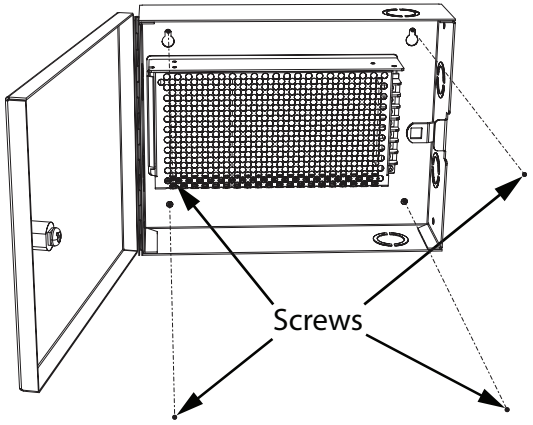


Figure 7: Power Supply Enclosure

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 as indicated in Figure 7. 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.

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

12 CONNECTING THE POWER

1. Connect the MD-990 load power supply wires to the Touch Screen terminal screws as shown in Figure 5.
2. Connect the building power supply wires to the MD-990 line terminal screws as shown in Figure 8.
3. Connect the other end of the building power supply wires the line voltage terminals.
4. Turn the power on.

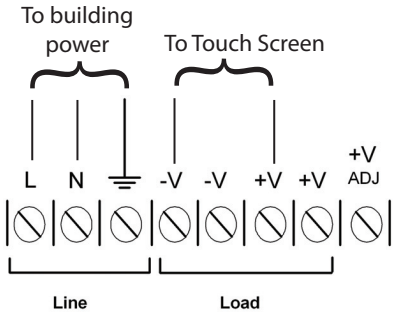


Figure 8: Terminal block wiring

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