

## DIMENSIONS OF THE 15 INCH SURFACE MOUNT TOUCH SCREEN

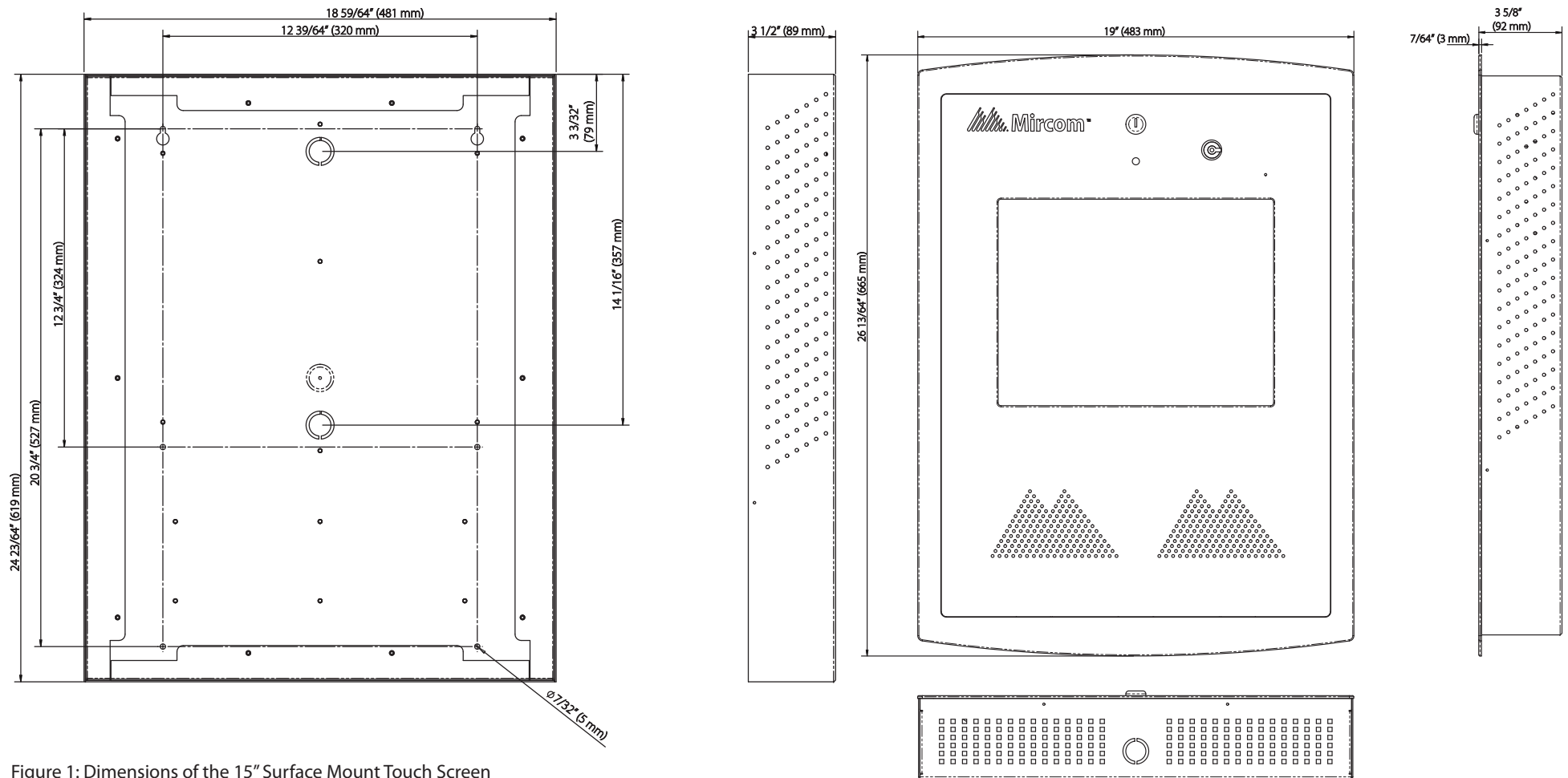


Figure 1: Dimensions of the 15" Surface Mount Touch Screen

## 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.

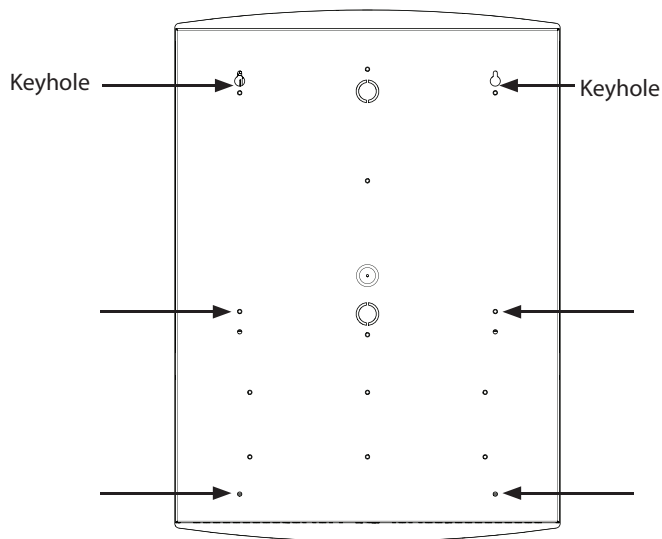


Figure 2: Location of the mounting holes

1. Find a suitable location for the enclosure.
2. Using the enclosure as a template, mark the back mounting locations of the two keyholes as shown in Figure 2. Ensure that at least one side is over a wall stud.
3. Remove the enclosure and place the fasteners halfway into the wall 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 four fasteners into the four remaining holes.
6. Tighten all fasteners into place.

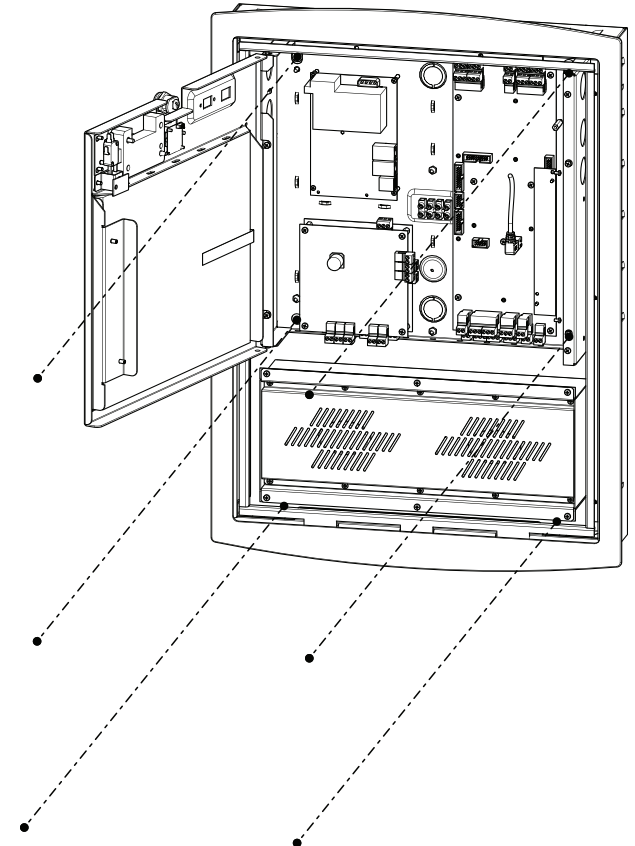
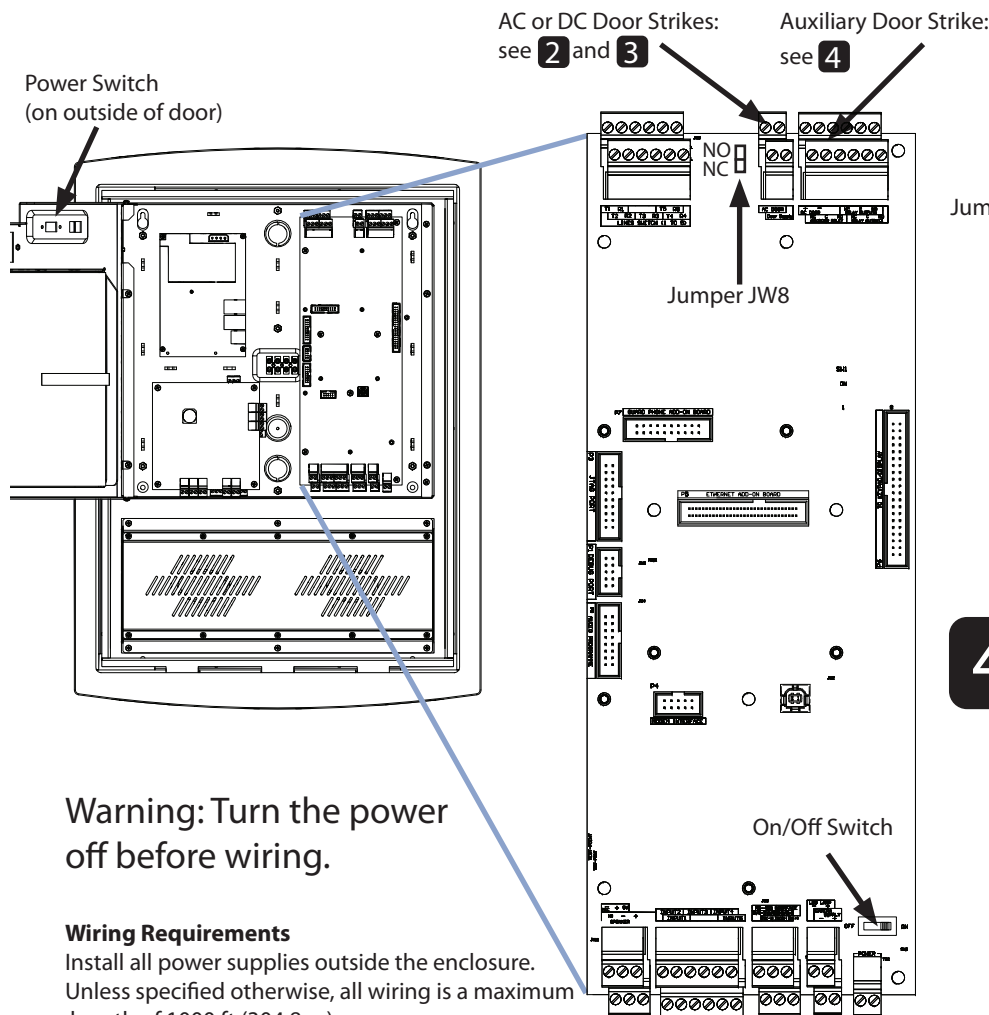


Figure 3: Interior of the 15" Touch Screen Enclosure

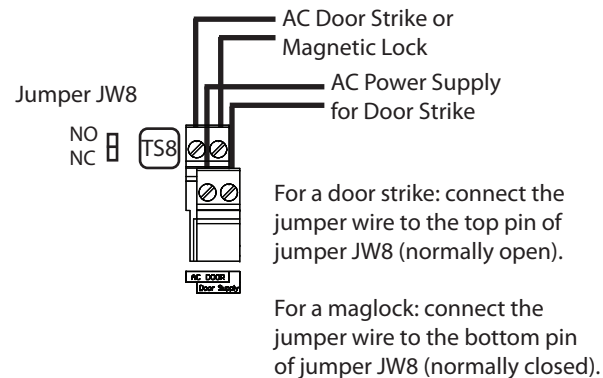


**Warning:** Turn the power off before wiring.

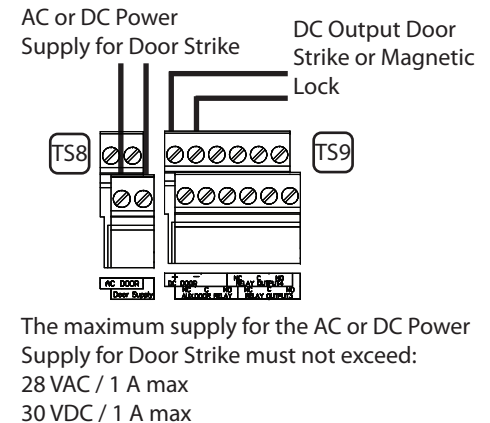
## Wiring Requirements

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.

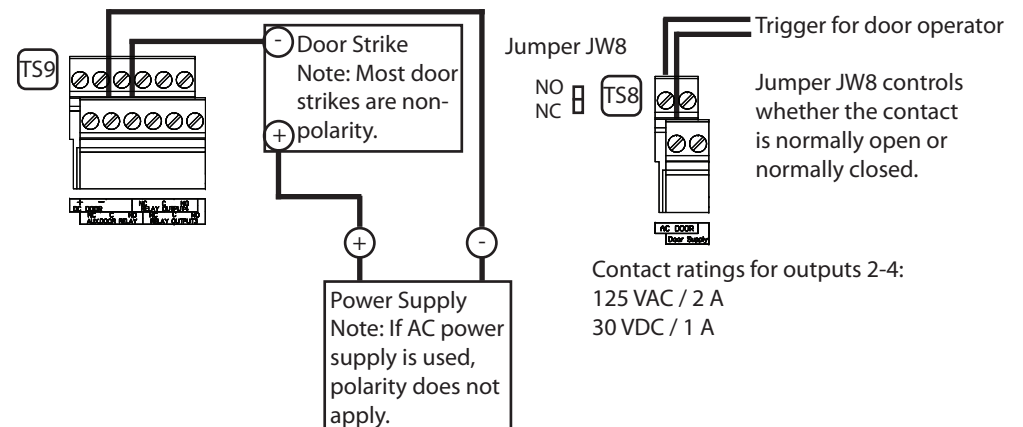
## 2 AC Door Strike or Maglock 18 AWG



## 3 DC Door Strike (Output 1) 18 AWG



## 4 Auxiliary Door (Output 2) 18 AWG

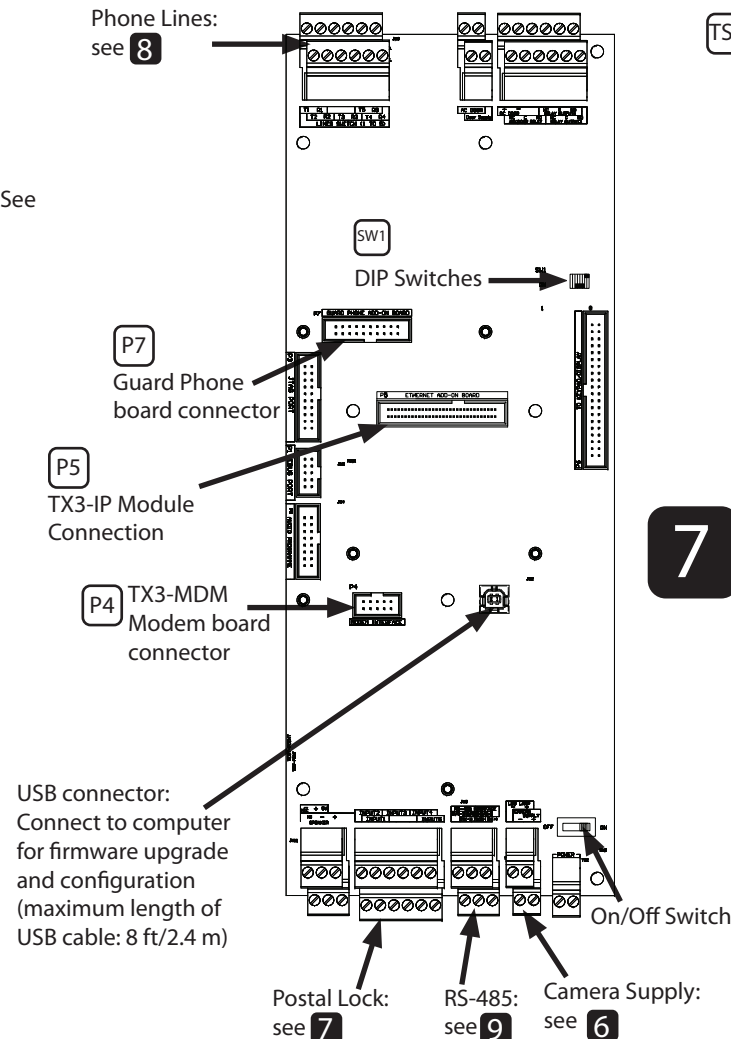


## 5 DIP SWITCH SETTINGS FOR RS-485

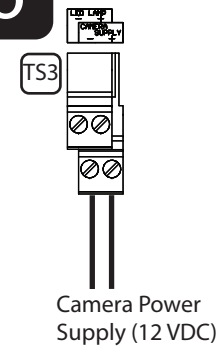


Each Touch Screen must have a unique RS-485 address. Use DIP switches 1-6 to set the RS-485 network address. See LT-969 for details.

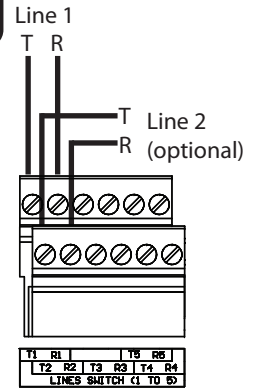
**Warning:** Turn the power off before wiring.



## 6 Camera Supply



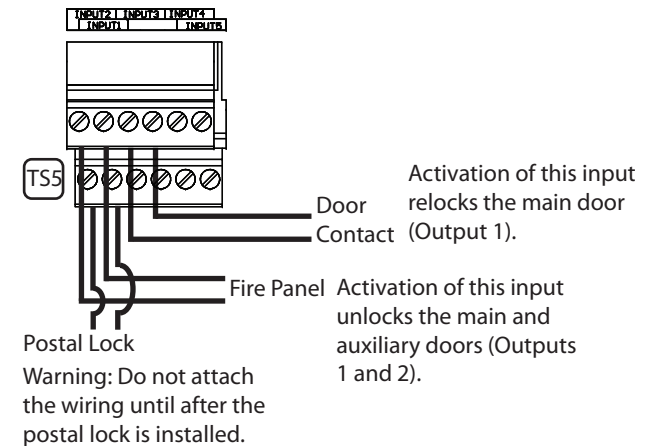
## 8 Phone Lines



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



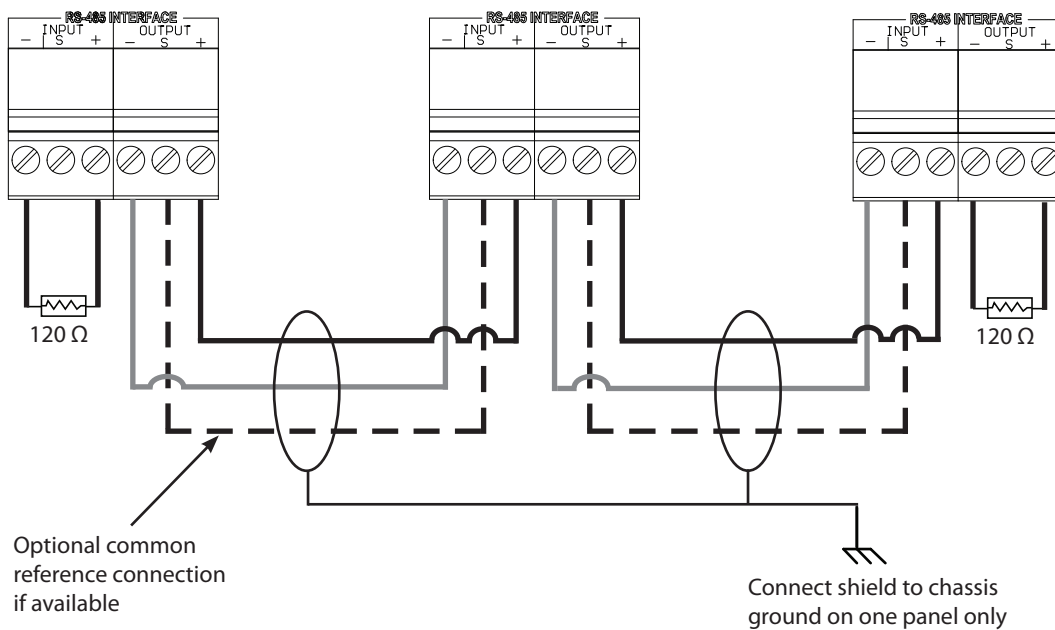
## 9 RS-485

22 AWG  
Maximum length: 4000 ft (1219.2 m)

**Panel 1**  
First panel on network

**Panel 2**

**Panel 3**  
Last panel on network



## 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).

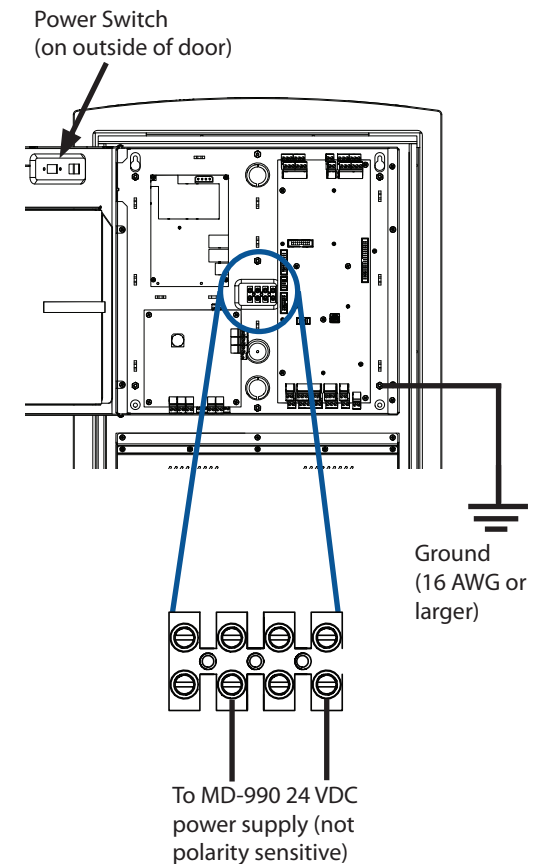


Figure 4: Chassis Ground and Power

## 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)

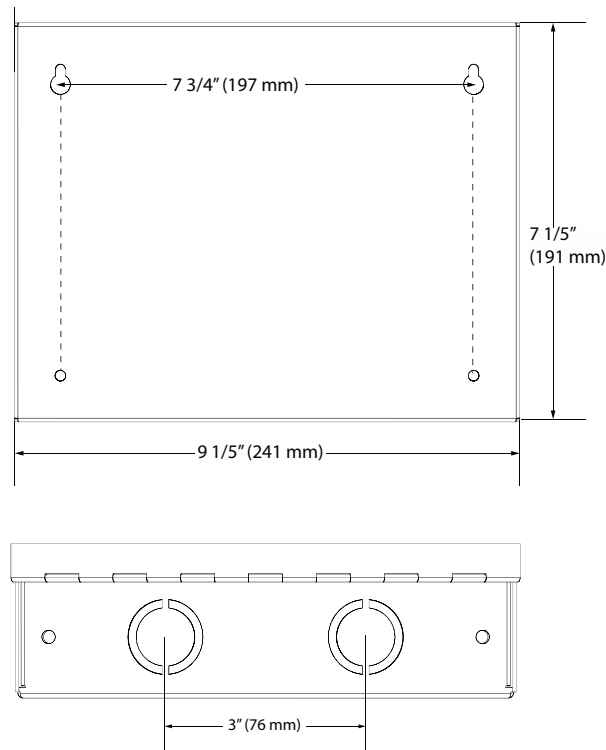


Figure 5: Power Supply Enclosure Dimensions

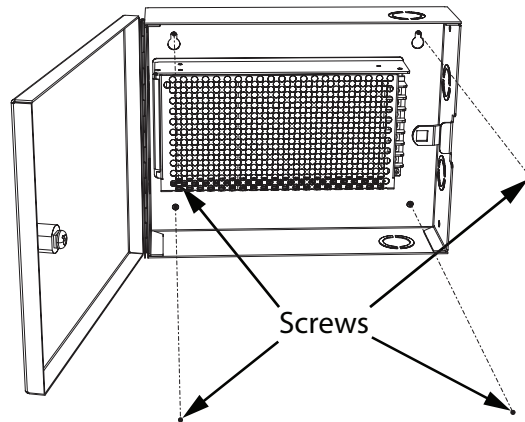


Figure 6: Power Supply Enclosure

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 6. 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 4.
2. Connect the building power supply wires to the MD-990 line terminal screws as shown in Figure 7.
3. Connect the other end of the building power supply wires the line voltage terminals.
4. Turn the power on.

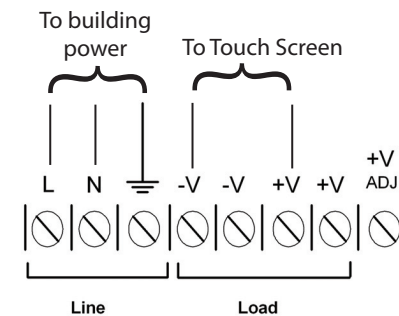


Figure 7: Terminal block wiring