

MNSPD KIT INSTALLATION INSTRUCTIONS



Parts included with the MNSPD Kit
Surge suppressor sold separately
except pre-mounted units

You will need a Phillips screwdriver, a slotted screwdriver and hammer for removing knockouts, a small saw to cut an opening in the wall, wall anchors and a pilot drill for the wall anchors (sold separately).

Wall Preparation:

Select a section of wall between the studs where existing wiring and plumbing will not be disturbed. Cut a hole approximately 6½" tall by 4½" wide.

Place the MNSPD Cut-in Box in the opening in the wall and mark the locations of the wall anchors. Remove the MNSPD Cut-in Box, then pre-drill and mount the wall anchors per the manufacturer's instructions.

Installation:

Remove the two screws holding the mounting shelf and set the shelf and 2 screws aside. Remove the desired knockout and install either the straight or right angle close nipple. Install the plastic nut to the close nipple inside the cut-in box to protect the wires. Secure the flexible conduit to the close nipple.

The included flexible conduit is 18". You may need to cut the flexible conduit or purchase a longer length for your particular application. Pull the wires through the mounting shelf and secure the SPD to the shelf with the nut included with the SPD, and then pull the wires through the conduit and reinstall the mounting shelf. This step is not necessary if your SPD came pre-mounted.

Finally, place the box in the opening and secure to the wall anchors.

Electrical connection:

Important! Disconnect all sources of power before attempting installation.

Read and understand the MNSPD owner's manual. Read and follow all safety instructions.

Make sure that you have the correct MNSPD voltage rating for your application. For example an MNSPD300 would be a good choice for a 120/240 volt installation.

To protect AC circuits – Connect the green wire to ground, the black wire to one phase of the incoming AC and the red wire to the other phase of the incoming AC. 2 MNSPDs are required to protect three phase systems.

To protect DC circuits. – Connect the green wire to ground, the black wire to negative and the red wire to positive.