The MIW-SURGE is designed essentially for compatibility with three basic configurations: 1. Single gang plastic outlet box, retro 2. Single gang metal outlet box, new work 3. Dual gang plastic outlet box, new work

OUTLET BOXES ARE NOT INCLUDED AND ARE SOLD SEPARATELY.

PARTS INCLUDED:
1. MIW-SURGE metal outlet faceplate (AC receptacle attached)
2. 4 flathead faceplate screws and 2 pan head screws for bracket
3. MIW-SURGE plastic mounting bracket
4. 3. DETERMINATION OF FAILURE: PFPower will evaluate the protector for defects. Opening the enclosure, tampering with, or modifying the unit in any way shall be grounds for automatic denial of your request for replacement. PFPower, after determining the unit, shall be its sole discretion, determine whether or not your protector is able to replace the MIW-SURGE protector. If the MIW-SURGE protector shows no defects, PFPower will return the unit to you with a note explaining the test results. Exception: If a dealer or retailer replaces the protector for the customer, the unit will be returned to the dealer or installer.
5. 4. GENERAL: If you have any questions regarding the product warranty, please contact the Customer Relations Department of www.furmansound.com or toll-free at 1-800-472-0755. This warranty supersedes all previous warranties. This is the only warranty provided by the protector and all other implied or expressed warranties are not covered. This warranty may not be modified except in writing, signed for an authorized PFPower representative available on the Panasonic or Furman web site for requesting RAs.

INSTRUCTIONS:
1. MIW-SURGE MIW-1X
2. MIW-SURGE MIW-2X
3. MIW-SURGE MIW-3X
4. MIW-SURGE MIW-4X
5. Decorator trim plate adapter

**TOOLS RECOMMENDED:**
- Drywall or Dremel tool (to cut outlet box hole)
- Hand held or power screw driver with Phillips head
- File (optional) to smooth and shape the outlet box cutout (if necessary)
- Utility knife
- Combination strippers
- Long nosed pliers
BEFORE YOU GET STARTED
Determine which outlet box for AC power and signal line connections your installation requires.

CAUTION
Only use with 15 Amp branch circuits utilizing 14 or 12 gauge wire. Make sure the branch circuit is de-energized before installation.

Installation instructions for using MIW-SURGE with
SINGLE GANG PLASTIC OUTLET BOX - RETRO

Materials Required
• MIW-SURGE unit
• Outlet box, Carlon B114R (plastic retro-fit) not included, sold separately

1. Determine where to place the MIW-SURGE. Locate where the unit is to be installed and trace the outline of the cutout hole with the included template. (3 3/4" H x 4" W) for the plastic single gang.

2. Using drywall saw, cut out opening along the drawn lines. If necessary use a file to enlarge the opening.

3. Bend the two lower wire clamps down on the bottom, rear of the box to make clearance for the MIW-SURGE and for Romex cord.

4. Pull through Romex cord and dress accordingly. No more than 1" of sheath should extend into the outlet box. 2" to 3" of the hot, neutral and ground wires should extend beyond that.

5. Insert the single gang plastic outlet box into the left-hand side of the hole and secure the drywall clamps.

6. Before attaching the MIW-SURGE mounting bracket, determine which signal line connection is to be utilized. Remove or adjust the depth of the insert, or the entire insert assembly if needed. For signal line instructions, see Panel 5 for SIGNAL LINE CONNECTION OPTIONS.

7. After the signal line connection is completed, attach the MIW-SURGE plastic mounting bracket to the outlet box with the two panhead screws.

8. Fold the wires as shown to help make clearance for the faceplate assembly to fit into outlet box.

9. Twist the hot (black), neutral (white) and ground (green) wires from the MIW-SURGE to the three corresponding stripped wires from the Romex. Connect the splices with the included yellow wire nuts.

10. Attach the MIW-SURGE faceplate to the mounting bracket with the 4 flat head screws.

11. Plug in the Flat Plug AC cord to be connected to equipment. The picture shown here indicates using the HDMI cable as an example only (Many different options are available).

SINGLE GANG METAL OUTLET BOX - NEW WORK

Materials Required
• MIW-SURGE unit
• Metal outlet box, Raco 8355 (not included, sold separately).

1. It’s most likely the metal outlet box is already installed in the wall as shown here. Using the template, align the left side of the existing cutout hole with the left edge of template and draw a line around the template. The total width of the cut out hole should be 4" across.

2. Using the drywall saw, cut along the line to enlarge the cut out hole.

3. Follow STEPS 3 through 11 from the SINGLE GANG PLASTIC OUTLET BOX instructions to install the MIW-SURGE.

DUAL GANG PLASTIC OUTLET BOX - NEW WORK

Materials Required
• MIW-SURGE unit
• Carlon dual gang plastic outlet box, (not included, sold separately).

1. Most likely the dual gang outlet box is already installed in the wall as shown here.

2. Follow STEPS 3 through 11 from the SINGLE GANG PLASTIC OUTLET BOX instructions to install the MIW-SURGE.