

Installation Instructions

AHW120/240 Series

AHW120/240-80, AHW120/240-100 and AHW120-80 series are utilized on 240/120 VAC split (single) phase or 120VAC Electrical distribution systems.

Prior to installing a Surge Protection Device make sure that: Wiring, Voltages and Grounding are correct and wired per local and National Codes.

INSTALLER MATERIALS CHECKLIST:

The following materials checklist is provided to assist in installation preparations. Installers may find it helpful to verify that all materials are available.

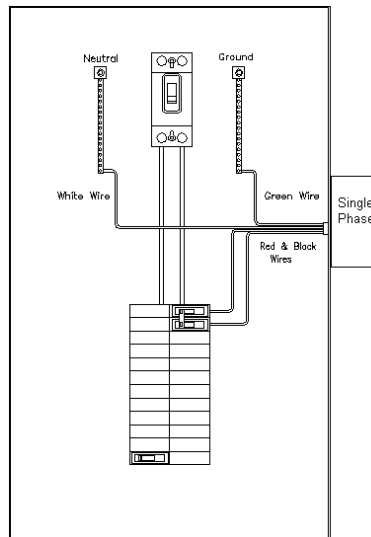
- Circuit breaker, 30 Amps (2 poles for 240/120 split/single phase, 1 pole for 120VAC single phase).
- Conduit and fittings, 3/4 inch for AC power.
- Punch for distribution panel, 3/4-inch conduit (26 mm).
- Wire strippers

GENERAL INSTRUCTIONS:

The Surge Protective Device (SPD) mounts directly to the service panel to be protected. Whenever possible, use the first circuit in the service panel. Wire lengths of 24" (60 cm) or less are desirable. The shortest possible wire length enhances the suppressor's performance by allowing less let-through voltage into the protected equipment.

INSTALLATION AND CONNECTION OF SUPPRESSOR:

- Install the SPD breaker. NOTE: Not all products require a separate SPD breaker. Check product labeling for requirements
- Find and mark a suitable location (3/4 knockout preferred) for mounting the suppressor to the distribution panel.



Location of Suppressor Shown with SPD breaker

Punch the distribution panel where marked or punch knockout.

- Drill or punch mounting hole.
- Install 3/4 inch conduit through distribution panel and connect to 3/4 inch hub of suppressor.
- Mount suppressor to panel with conduit jam nut (included).

With the power "OFF", first connect the ground and neutral wires to the appropriate busbars then connect the hot wires to the breaker terminals.

Check **ALL** wiring to make sure that the SPD installation has not altered the correctness of the Electrical system. Incorrect wiring may result in damage, and improper SPD operation.