

AC HARDWIRED SURGE PROTECTION DEVICE

Model: AHW120/240-100



Features

- Compact design for convenient and effective Surge Protection
- Thermal fused metal oxide varistor (MOV) protection technology
- Common Mode Surge protection
- Heavy duty surge protection
- LED "ON" for visual protection status monitoring
- Indoor or outdoor installation
- EMI and RFI filtering
- UL1449 4th Edition Listed

Applications

- Service entrance, branch and OEM panels
- Electrical Systems and Equipment
- Protection from lightning, Induction and AC Infrastructure generated Surges
- Indoor and Outdoor Equipment
- Security, Industrial and Telecommunication Systems
- Other commercial applications

General Information

The ITW/Linx AHW Series is a Type 2 Hardwired surge protective device targeted to protect AC powered and connected equipment and systems from the destructive force of surges. These state of the art protection devices offer a convenient and modern solution, resulting in reliable operations and long term performance.

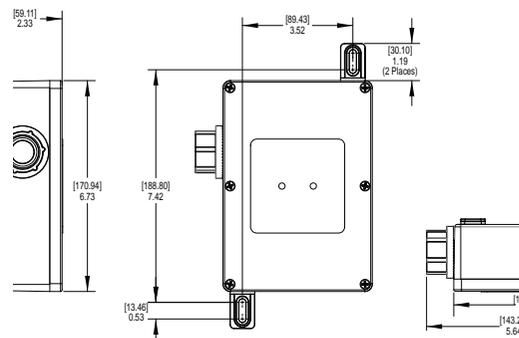
Electrical Characteristics

| | |
|---|------------------------------|
| Electrical Distribution System | 120/240VAC Single Phase 3W+G |
| Nominal (Operating) Voltage | 120VAC L-G, N-G 240VAC L - L |
| Maximum Operating Voltage (MCOV) | 150VAC L-G, N-G 300VAC L - L |
| Nominal Discharge Current 8/20us (In) | 20KA |
| Maximum Discharge Current 8/20us (Imax) | 100KA |
| Modes of Protection | L1-L2, L1-G, L2-G, N-G |
| Internal Thermal Disconnect | Yes |
| Operating Frequency | 50/60Hz |
| Short Circuit Current rating (Sccr) | 65KA |

Mechanical Characteristics

| | |
|---------------------------------|---|
| Enclosure Type (outdoor) | Type 4 Aluminum |
| Environmental Rating | IP 66 / NEMA 4x |
| Operating Temperature | -40°C to +80°C |
| Operating Humidity | 0 to 95% non-condensing |
| Mounting | Wall |
| Mechanical Connection to Panel | Conduit Nut |
| Enclosure Dimension (L x W x H) | 5.64" x 9.10" x 2.33" |
| Weight | 4.0 lbs |
| Electrical Connection | 10 AWG stranded wiring leads, 14 inches max. length |
| Diagnostics and Status | Green LED ON |

Dimensions



Standards and Compliance: UL1449 4th Edition, Type 2 Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.