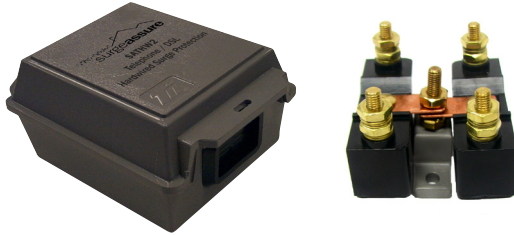# surge**assure**™

## CABLE/PHONE SURGE PROTECTOR

# SATHW2 & SATH2

## FEATURES & BENEFITS

- **UL listed surge protection**
- **Hardwired Modem/Fax/DSL protection**
- **Easy to install**
- **Exceptionally fast response time**
- **Available with or without enclosure**
- **5 Year Product Warranty**

The surge**assure**™ SATHW2 is a 2 pair, hardwired surge protector for telephone, DSL or modem connected electronics in residential and light commercial applications. The SATHW2 protects against electrical power surges that can enter through the main telephone connection and is equipped with a failshort device to permanently ground the telephone line in the event of a power cross. The SATHW2 is housed in a weatherproof enclosure to facilitate indoor or outdoor applications. The enclosure is molded of temperature and humidity resistant thermoplastic to resist cracking and discoloration. The cover can be secured with a tie wrap or similar locking device.

The surge**assure**™ SATH2 is the same 2 pair, hardwired surge protector for telephone, DSL or modem used in the SATHW2 but without the weatherproof enclosure. The SATH2 is designed for indoor applications or can be mounted inside another weatherproof enclosure for outdoor mounting applications.

The surge**assure**™ warranty covers product defects for 5 years.

To have complete protection for your equipment, home, or business, it is important to protect AC power lines and all data lines the equipment is connected through.

## REPLACEMENT PARTS

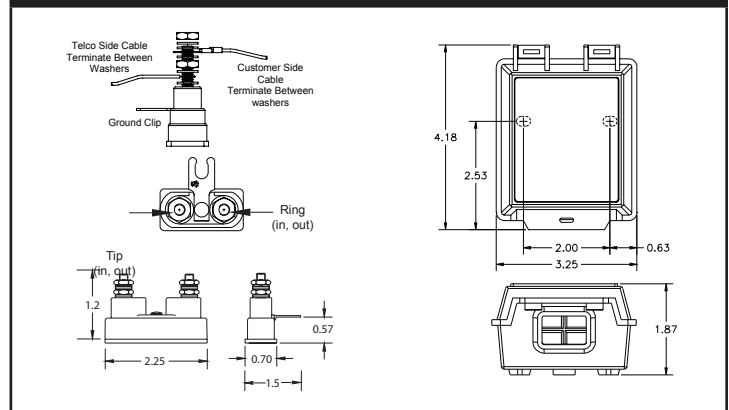| CATALOG # | DESCRIPTION |
|---|---|
| SATHW2 | TM1P - 1 Pair Protection Module (2 required) |
| | THWE2 - Weatherproof Enclosure, 2 Pair Capacity |
| SATH2 | TM1P - 1 Pair Protection Module (2 required) |
| | TB1 - Ground Stud Mounting Adaptor |

## TECHNICAL SPECIFICATIONS

| HARDWIRED TELEPHONE SURGE PROTECTION | |
|---|---|
| Catastrophic Surge Circuit | Yes |
| Spike Capacity | 250A |
| Let Through Voltage | 300V |
| Over Current Protection | Yes |
| Response Time | <1 nanosecond |
| Environmentally Sealed | Yes |

| AGENCY APPROVALS & WARRANTY | |
|---|---|
| UL Listings | 497 |
| Product Warranty | 5 Years |

### DIMENSIONS



Telco Side Cable Terminate Between Washers
Customer Side Cable Terminate Between washers
Ground Clip
Ring (in, out)
Tip (in, out)
4.18 / 2.53 / 2.00 / 0.63 / 3.25 / 1.87
1.2 / 2.25 / 0.57 / 0.70 / 1.5

## INSTALLATION INSTRUCTIONS

**DO NOT INSTALL DURING ACTIVE STORM CONDITIONS.**
This device can be used indoors (SATH2), or outdoors when installed in weatherproof housing (SATHW2). Failure to follow installation instructions can result in personal injury and/or equipment damage not covered by warranty.

**SATH2 – For indoor use:**
1) SATH2 protects 2 pair (1 pair per protector module) and is intended for indoor use only, with out additional housings.
2) Attach securely to mounting surface.
3) Install ground wire, and if applicable, service shield, under top center nut of mounting bracket and tighten nut securely.
4) TIP IN and TIP OUT are connected to one post. RING IN and RING OUT are connected to the second post on the protection module.
5) Connect one pair (tip and ring) under the bottom nut on each protector module, tip on one post, ring on the other.
6) Connect the customer wiring, tip and ring, under the top nut on the same protector module (protector is wired in parallel).
7) Repeat Tip and Ring Connections on second protection module
8) Check all wiring for loose connections and shorting or broken wires.

**SATHW2 – For outdoor use:**
1) Mount weatherproof housing securely to flat surface.
2) Conductors will enter and exit from the flexible grommet located at bottom of enclosure.
3) Follow instruction above for SATH2 connections.
4) Secure enclosure with tie wrap or similar locking device.
**The SATH2 is a Parallel Device.**

## surge assure™
industrial protection for your home.

*A Division of ASCO Power Technologies, L.P.*

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