

# Service Entrance Surge Protection



*Powering Business Worldwide*

Celebrating  
**100** YEARS  
Ideals that Endure

Eaton's Type 2 Complete Home Surge Protection (CHSP) products are UL® 1449 3rd Edition Listed and provide the highest level of surge protection and safety.

**Type 2 surge products are permanently connected devices that are installed on the load side of the service entrance overcurrent protective device.**

**Eaton's Surge Protective Devices:**

- Include the industry's most complete line of products
- Provide superior protection for sensitive electronics
- Carry comprehensive warranty coverage

**Choose From:**

- Factory mounted designs
- Field installed options
- Universal products available to be mounted to any manufacturer's loadcenter
- Mounting accessories

**Additional Protection:**

Electrical surges can travel on your electrical, telephone and cable lines, and through your electronic equipment causing damage. CHSP Type 2 product line includes:

- Telephone and Cable SPDs

## Surge Protection at the Service Entrance Panel

All products below provide AC Power Protection, LED Status Indication, a Limited Lifetime Warranty, and are suitable for Indoor/Outdoor applications when properly installed. Ratings include: UL 1449 3rd Edition Listed, cUL Listed, Voltage Protection Rating: 600V L - N, 1000V L - L, 800V N - G and 600V L - G, 120/240 Vac and 50/60 Hz.



**CHSPT2ULTRA (BEST)**

- 20kA (I<sub>n</sub>) Nominal Discharge Current <sup>1</sup>
- 108kA Surge Current Capacity Per Phase Rating <sup>2</sup>
- \*\$75,000 Warranty



**CHSPT2MAX (BETTER)**

- 10kA (I<sub>n</sub>) Nominal Discharge Current
- 72kA Surge Current Capacity, Per Phase Rating
- \*\$50,000 Warranty



**CHSPT2MICRO (GOOD)**

- 5kA (I<sub>n</sub>) Nominal Discharge Current
- 36kA Surge Current Capacity, Per Phase Rating
- \*\$25,000 Warranty

All products below are UL/cUL Listed, offer a Limited Lifetime Warranty and are suitable for indoor cable or phone applications when properly installed.



**CHSPCABLE**

- Protects 2 quad shield cables
- Bi-directional cable
- 10kA Surge Current Capacity, Per Line
- 145V DC Breakdown Voltage
- \*\$10,000 Warranty



**CHSPTELE**

- Protects 4 telephone lines
- 20kA Surge Current Capacity, Per Line
- 230V DC Breakdown Voltage
- Ring 90-120 Vac / Tone 48-52 Vdc
- \*\$10,000 Warranty



**CHSPT23PACK (Combo Pack)**

- Protects AC Power, Cable and Telephone
- 3-Pack includes CHSPT2ULTRA, CHSPCABLE and CHSPTELE
- See individual product features for details

\* Warranty amount is for connected equipment. For warranty details and product information visit, [www.eaton.com/surgetrap](http://www.eaton.com/surgetrap).

## Surge Circuit Breakers and Loadcenters

All circuit breakers below offer Basic AC Surge Protection, a 1 Year Limited Product Warranty and are suitable for Indoor/Outdoor applications when properly installed. Ratings Include: UL 1449 3rd Edition Listed, CSA Listed, Voltage Protection Rating: 600V L - N and 1000V L - L, 120/240 Vac and 50/60 Hz.



### BRSURGE

- 3kA ( $I_n$ ) Nominal Discharge Current
- 18kA Surge Current Capacity, Per Phase Rating
- UL Listed for 1" BR Type Loadcenters
- UL Classified for GE® and Siemens® Type Loadcenters



### CHSA

- 3kA ( $I_n$ ) Nominal Discharge Current
- 18kA Surge Current Capacity, Per Phase Rating
- UL Listed for 3/4" CH Type Loadcenters



### CHQSA

- 3kA ( $I_n$ ) Nominal Discharge Current
- 18kA Surge Current Capacity, Per Phase Rating
- UL Classified for Square D® Type QO™ Loadcenters

### Surge Loadcenter

- Includes a CHSPT2ULTRA and a 2-pole 15 Amp circuit breaker
- Increases the effectiveness of surge protection due to reduced lead length
- A modified deadfront allows for easy viewing of indicating lights



SURGE INSTALLED\*\*

### Surge Ready Loadcenter

- Provides a mounting provision for CHSPT2ULTRA
- A modified deadfront allows for easy viewing of indicating lights



SURGE READY\*\*

\*\* See "Surge Protection" Tab in the Eaton catalog for available catalog numbers.

## CHSP Product Accessories

### CHSP3RTELCABLE

- Raintight enclosure for CHSPCABLE and CHSPTELE
- Top or bottom feed
- Enclosure only, surge not included
- Accommodates up to 2 devices



### CHSPFMKIT

- Flush mount kit for:
  - CHSPT2ULTRA
  - CHSPT2MAX
  - CHSPT2MICRO
  - CHSPCABLE
  - CHSPTELE



①  $I_n$ : Nominal Discharge Current is the current that the device can withstand for 15 impulses.

② Surge Current Capacity: The maximum amount of surge current the device can shunt to ground during a surge event on one phase.

## Warranty

- Limited Lifetime and Connected Equipment Warranty on all CHSP Type 2 products.
- 1 Year Limited Product Warranty on BR & CH Surge Breakers.
- For complete warranty details visit our website at, [www.eaton.com/surgetrap](http://www.eaton.com/surgetrap).

## Ordering information

- Contact your local distributor or sales representative for purchasing information.
- For additional information please contact 1-877-ETN-CARE.

**Eaton Corporation**  
Electrical Sector  
1111 Superior Ave.  
Cleveland, OH 44114  
United States  
877-ETN-CARE (877-386-2273)  
Eaton.com

© 2011 Eaton Corporation  
All Rights Reserved  
Printed in USA  
Publication No. BR00404001E  
March 2011



Powering Business Worldwide

Proud Sponsor of



GE is a registered trademark of General Electric Company.

Siemens is a registered trademark of Siemens AG.

Square D is a registered trademark of Schneider Electric.

QO is a trademark of Square D.

UL is a registered trademark of Underwriters Laboratories.

All other trademarks are property of their respective owners.