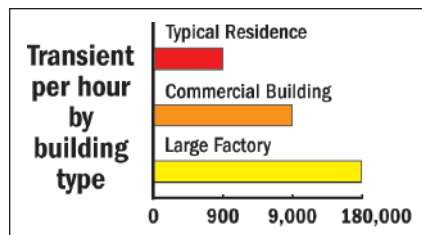


SurgeBloc® – Reduce equipment downtime with a snap!

SurgeBloc® snap-in replacement module requires no rewiring or interruption of power to restore protection.

When it comes to surge protection, no other manufacturer delivers all of the Transient Voltage Surge Suppressor (TVSS) receptacle options that Cooper Wiring Devices can. That's because we provide conventional TVSS receptacle products like others do, as well as innovative designs featuring our patented, replaceable SurgeBloc modules.

Most of the new equipment being manufactured today has built-in microprocessor chips which are extremely vulnerable to momentary surges or spikes that occur on an hourly basis. **Transient voltage spikes are involved with an estimated 89% of all power disturbances.** Lighting and utility switching equipment, air conditioners, pumps, microwaves, copy machines and power tools are just a few of the devices that can cause voltage spikes.



Source: "Power Line Disturbances and your Power Bill" by Dr. C.W. Simmonds

The effect that these spikes have on electrical equipment causes varying degrees of damage:

- **Destructive** is caused by transient spikes that are instantaneous, causing catastrophic failure (lightning or short circuit).
- **Dissipative** is the result of cumulative transient spikes that continue to erode the performance of equipment until it ultimately fails (fax machine ceases to function suddenly without damage symptoms).
- **Disruptive** occurs when electronic components attempt to process transient spikes as a valid logic command, resulting in system lock-up, malfunctions and lost or corrupted files (computer freezes up).

Even though a building may be protected by an outside TVSS panel, additional protection is needed at the point-of-use on devices inside the building. While a TVSS at the service entrance protects the building from surges entering the building from the outside, it does not protect equipment from surges that occur within a building. **An estimated 63% of transient voltages spikes originate within buildings,** leaving valuable equipment vulnerable to damage. With the addition of surge protection devices on the branch circuit, equipment is protected from damaging spikes and surges originating inside the building.

Power-related problems cost U.S. companies over **\$26 Billion** a year.



APPLICATIONS

- Office buildings
- Residential homes
- Computer facilities
- Medical offices
- Schools
- Retail
- Commercial facilities
- Institutions

**SURGEBLOC®
COMMERCIAL
GRADE TVSS
RECEPTACLES**

TESTING & CODE COMPLIANCE

- Meets all appropriate UL1449 and UL498 requirements. (file no. E15058)
- For replaceable module: UL (file no. E102018).

MATERIAL CHARACTERISTICS

Meets flammability requirements per UL94, V2 rated.

With its unique *patented* features, SurgeBloc® saves time and money.



**SURGEBLOC®
COMMERCIAL
GRADE TVSS
RECEPTACLES**

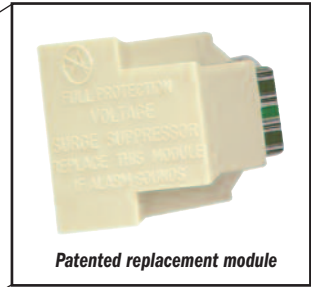
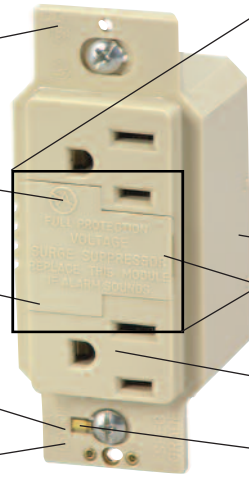
High impact-resistant thermoplastic mounting strap

Provides surge protection for hot to neutral, hot to ground and neutral to ground (L-N, L-G, N-G)

Exclusive patented replaceable module restores expired surge protection without interruption of power or need to remove and rewire device

Automatic ground will insure wallplate grounding in properly grounded metal enclosure

Grounding system fully isolated from common ground on IG models



Patented replacement module

Standard 6" (152.4mm) leads, stripped 0.50" (12.7mm)

Audible Alarm signals when surge protection has expired and stays on until module is removed or replaced

Noise protection against EMI and RFI standard

Auto-grounding clip attached to strap meets NEC requirements

SurgeBloc® | TVSS Ordering Information

Commercial Specification Grade Duplex Receptacle

Rating A	V/AC	NEMA	Clamping Voltage*	Joules/MCOV	Maximum Surge Current**	Colors	Catalog No.
15	125	5-15R	400V	170J/ 150V/AC RMS	12kA per mode	Almond, Ivory, White	1208
20	125	5-20R	400V	170J/ 150V/AC RMS	12kA per mode	Almond, Blue, Ivory, White	1210

Commercial Specification Grade Duplex Receptacle - Isolated Ground

Rating A	V/AC	NEMA	Clamping Voltage*	Joules/MCOV	Maximum Surge Current**	Colors	Catalog No.
15	125	5-15R	400V	170J/ 150V/AC RMS	12kA per mode	Blue, Gray, Ivory, White	IG1208
20	125	5-20R	400V	170J/ 150V/AC RMS	12kA per mode	Blue, Gray, Ivory, White	IG1210

Replacement Module

Rating A	V/AC	NEMA	Clamping Voltage*	Joules/MCOV	Maximum Surge Current**	Colors	Catalog No.
-	-	-	400V	170J/ 150V/AC RMS	12kA per mode	Almond, Blue, Gray, Ivory, White	1209

Color Key: To order, add these suffixes for color choice: A (Almond), V (Ivory), W (White), BL (Blue), GY (Gray)

*800V clamping voltage for N-G

**10kA per mode for N-G



SPECIFICATIONS

Size & Weight

Product Housing Dimensions: 2.70" H X 1.75" W X 1.50" D (6.86cm x 4.45cm x 3.81cm)

Weight: 4.0 oz. (0.1134 kg)

Warranty

Ten year limited warranty



5-15R



5-20R

TESTING & CODE COMPLIANCE

· Meets all appropriate UL1449 and UL498 requirements. (file no. E15058)
· For replaceable module: UL (file no. E102018).

MATERIAL CHARACTERISTICS

Meets flammability requirements per UL94, V2 rated.

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