

Heavy duty, dependable protection for commercial and hospital applications!

Choose Cooper Wiring Devices for the ultimate protection from electrical spikes and surges.

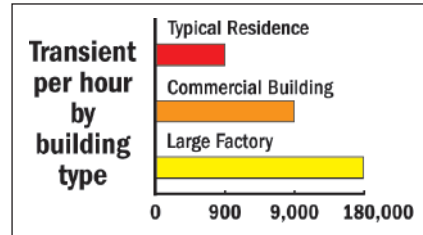
When it comes to surge protection, no other manufacturer delivers all of the Transient Voltage Surge Suppressor (TVSS) receptacle options that Cooper Wiring Devices can. Our TVSS duplex receptacles offer a variety of features to choose from: grounded, isolated ground, LED indicators and switched alarms. These receptacles provide extra protection from momentary spikes and surges at point-of-use inside a building.

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.

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.



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

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



APPLICATIONS

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

COMMERCIAL & HOSPITAL GRADE TVSS RECEPTACLES

TESTING & CODE COMPLIANCE

- Meets all appropriate UL1449 and UL498 requirements. (file no. E2369)
- Meets all CSA requirements, C22.2 no. 42, (file no.700227).

MATERIAL CHARACTERISTICS

Meets flammability requirements per UL94, V2 rated.

COOPER Wiring Devices



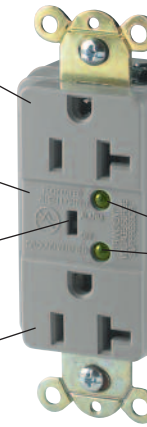
Hospital and Commercial Grade TVSS receptacles perform under the most exacting conditions.

High impact-resistant thermoplastic construction.

Audible alarm signals when surge protection has expired or bad ground connection occurs. (available on 5262, 5362, 8200 & 8300 series)

Front access switch for muting audible alarm until device is replaced.

Provides surge protection for hot to neutral, hot to ground and neutral to ground. (L-N, L-G, N-G)
*Switched alarm models not rated for N-G



Grounding system fully isolated from common building ground for IG devices only

8-hole back and side wire

Green LED indicators to verify surge protection and ground provided.

Shallow depth of back body makes for easy installation

TVSS Ordering Information

Commercial Specification Grade TVSS Receptacles with LED Indicators

Rating A	V/AC	NEMA	Clamping Voltage	Joules/MCOV	Maximum Surge Current	Colors	Catalog No.
Receptacles with LED Indicators							
15	125	5-15R	400V	280J/150V/AC RMS	18kA per mode	Blue, Gray, Ivory, White	5250
20	125	5-20R	400V	280J/150V/AC RMS	18kA per mode	Blue, Gray, Ivory, White	5350
Receptacles with LED Indicators - Isolated Ground							
15	125	5-15R	400V	280J/150V/AC RMS	18kA per mode	Blue, Gray, Ivory, Orange, White	IG5250
20	125	5-20R	400V	280J/150V/AC RMS	18kA per mode	Blue, Gray, Ivory, Orange, White	IG5350

Commercial Specification Grade TVSS Receptacles with LED Indicators and Switched Alarm

Rating A	V/AC	NEMA	Clamping Voltage	Joules/MCOV	Maximum Surge Current	Colors	Catalog No.
Receptacles with LED Indicators and Switched Alarm							
15	125	5-15R	400V	280J/150V/AC RMS	18kA per mode	Blue, Gray, Ivory, White	5262
20	125	5-20R	400V	280J/150V/AC RMS	18kA per mode	Blue, Gray, Ivory, White	5362
Receptacles with LED Indicators and Switched Alarm - Isolated Ground							
15	125	5-15R	400V	280J/150V/AC RMS	18kA per mode	Blue, Gray, Ivory, Orange, White	IG5262
20	125	5-20R	400V	280J/150V/AC RMS	18kA per mode	Blue, Gray, Ivory, Orange, White	IG5362

Hospital Grade TVSS Receptacles with LED Indicators and Switched Alarm

Rating A	V/AC	NEMA	Clamping Voltage	Joules/MCOV	Maximum Surge Current	Colors	Catalog No.
Hospital Grade Receptacles with LED Indicators and Alarm							
15	125	5-15R	400V	280J/150V/AC RMS	18kA per mode	Blue, Gray, Ivory, White	8200
20	125	5-20R	400V	280J/150V/AC RMS	18kA per mode	Blue, Gray, Ivory, White	8300
Hospital Grade Receptacles with LED Indicators and Alarm - Isolated Ground							
15	125	5-15R	400V	280J/150V/AC RMS	18kA per mode	Blue, Gray, Ivory, Orange, White	IG8200HG
20	125	5-20R	400V	280J/150V/AC RMS	18kA per mode	Blue, Gray, Ivory, Orange, White	IG8300HG

Color Key: To order, add these suffixes for color choice: BLS (Blue), GYS (Gray), RNS (Orange), VS (Ivory), WS (White)



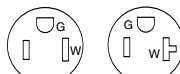
SPECIFICATIONS

Size & Weight

Product Housing Dimensions: 2.72" H X 1.74" W X 1.50" D
(6.91cm x 4.42cm x 3.81cm)
Weight: 4.0 oz. (0.1134 kg)

Warranty

Ten year limited warranty



5-15R

5-20R

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9-TVSS-06

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