legrand®

Wiremold

Sentrex® & Perma Power®
Surge Protection Devices

High Performance, Computer Grade & CabinetMATE® Surge Protectors

Wiremold® Sentrex® High Performance Rack Mount Series and the Perma Power® Computer Grade Rack Mount and CabinetMATE® Surge Protector Series offer a wide range of solutions for communication closet, rack, and cabinet applications. By dissipating and diverting excess voltage, a Sentrex or Perma Power surge protection device keeps your critical systems functioning properly.

Surges can strike once a month or hundreds of times a day. They can penetrate a facility via AC, telephone, and communication lines, or on any wire that enters a building. Surges and noise are also generated inside a building by fluorescent lighting, electric motors, HVAC equipment and office machines. If left unprotected, sensitive communications equipment and valuable data can be damaged or destroyed.

Sentrex and Perma Power rack mount and CabinetMATE surge protectors provide advanced protection for critical electronic and communications equipment. They are an integral part of the Sentrex Zoned Approach to whole building protection.

R8BZ (Front & Back)
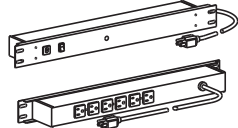

R5BZ20 (Front & Back)

FEATURES & BENEFITS

■ **All lines are protected.** Units provide surge protection on all three modes (L-N, L-G, and N-G). Units also have thermal protection on all three lines.

■ **600V UL1449 Voltage Protection Rating (VPR).** Outstanding protection against harmful surges.

■ **EMI/RFI noise reduction.** Protects against data disruption due to electromagnetic or radio frequency interference.

■ **Space saving.** Rack mount units fit standard 19" [482mm] relay racks. Compact 1U design takes up minimum space. 23" [584mm] units available, consult factory.

■ **Low profile.** CabinetMATE units offer a narrow 1 1/2" x 1 3/16" [38mm x 20mm] aluminum housing.

■ **Aesthetically pleasing.** Rack mount units have a black matte finish and a black cord. CabinetMATE units have a gray finish and a black cord.

■ **Cord properly rated to load requirements.** 15A units have a 14/3 SJT cord and a NEMA 5-15P plug. 20A units have a 12/3 SJT cord and a NEMA 5-20P plug.

■ **Lighted switch available on some units.**

■ **Protection indication.** All units have a protection indication light to show the status of the unit.

■ **Resettable circuit breaker.** Provides overload protection.

■ **Product warranty.** Sentrex rack mount units come with a lifetime product warranty. Perma Power rack mount and CabinetMATE Series units come with a five-year product warranty. Also includes a connected equipment warranty up to $30,000.

■ **UL and cUL Listed or Recognized.** Rack mount units are UL and cUL recognized to both UL1363 and UL1449, Third Edition. CabinetMATE units are UL and cUL Listed to UL1363 and UL1449, Third Edition.

ED638R7 – Updated July 2010 – For latest specs visit www.legrand.us/wiremold

Sentrex High Performance Surge Protectors

Sentrex High Performance Surge Protector Specifications

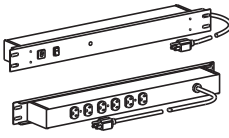|	
Surge Protection Circuitry	3 element, 3 stage hybrid circuit
UL1449 Voltage Protection Rating	600 Volts
Maximum Surge Current	56,000 Amps (32,000 Amps L-N, 12000 Amps L-G, 12000 Amps N-G)
Noise Reduction	+50 dB
Response Time	Less than 1 nanosecond
Product Warranty	Lifetime
Connected Equipment Warranty	$30,000

Sentrex High Performance Surge Protector Ordering Information
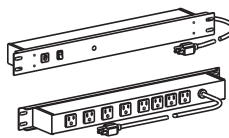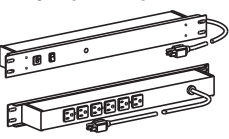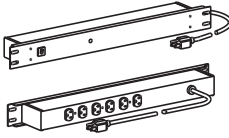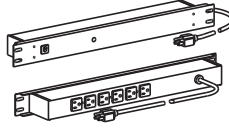
Catalog No./Item	Description/Specifications
R5S/R5S-15	**High Performance Surge Protector** – Six rear outlets, lighted switch. 6' [1.8m] or 15' [4.6m] cord.

Perma Power Computer Grade Surge Protectors

Perma Power Computer Grade Surge Protector Specifications

Surge Protection Circuitry	Single Stage
UL1449 Voltage Protection Rating	600 Volts
Maximum Surge Current	36,000 Amps (12,000 Amps L-N, 12,000 Amps L-G, 12,000 Amps N-G)
Noise Reduction	+35 dB
Response Time	Less than 1 nanosecond
Product Warranty	5-Year
Connected Equipment Warranty	$10,000

Perma Power Computer Grade Surge Protector Ordering Information

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
R8BZ/R8BZ-15	**Computer Grade Surge Protector** – Eight rear outlets, lighted switch. Receptacles rotated 90° and 4 outlets spaced to accommodate transformers. 6' [1.8m] or 15' [4.6m] cord.	R5BZ20/R5BZ20-15	**20A Computer Grade Surge Protector** – Six 20A rear outlets. On/off switch. 6' [1.8m] or 15' [4.6m] cord.
R5BZ/R5BZ-15	**Computer Grade Surge Protector** – Six rear outlets, lighted switch. 6' [1.8m] or 15' [4.6m] cord.	R5BZ20X/R5BZ20X-15	**20A Computer Grade Surge Protector** – Six 20A rear outlets. 6' [1.8m] or 15' [4.6m] cord.
R5BZX/R5BZX-15	**Computer Grade Surge Protector** – Six rear outlets. 6' [1.8m] or 15' [4.6m] cord.		

CabinetMATE Surge Protectors

CabinetMATE Surge Protector Specifications

Surge Protection Circuitry	Single Stage
UL1449 Voltage Protection Rating	600 Volts
Maximum Surge Current	36,000 Amps (12,000 Amps L-N, 12,000 Amps L-G, 12,000 Amps N-G)
Noise Reduction	+35 dB
Response Time	Less than 1 nanosecond
Product Warranty	5-Year

15A CabinetMATE Surge Protector Ordering Information

Catalog No./ Item	Description/ Specifications	Catalog No./ Item	Description/ Specifications	Catalog No./ Item	Description/ Specifications
4810BCS/ 4810BDS	**CabinetMATE Surge Protector** – Ten outlets. 6' [1.8m] or 15' [4.6m] cord. Length 48" [1.2m].	**7011BCS/ 7011BDS**	**CabinetMATE Surge Protector** – Eleven outlets. 6' [1.8m] or 15' [4.6m] cord. Length 70" [1.8m].	**7712BCS/ 7712BDS**	**CabinetMATE Surge Protector –** Twelve outlets. 6' [1.8m] or 15' [4.6m] cord. Length 77" [2m].

WHY DON'T WE SPECIFY JOULES?

The Joule rating does not provide an accurate indication of the robustness of a surge suppressor. The Joule rating is energy over time and it is very easy to artificially inflate the Joule rating by changing the time base. The Institute of Electrical and Electronics Engineers (IEEE) as well as the National Electrical Manufacturers Association (NEMA) both warn against using Joules to compare surge suppressors.
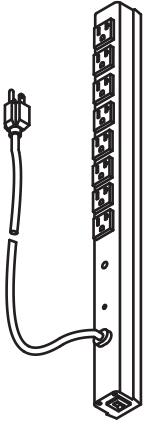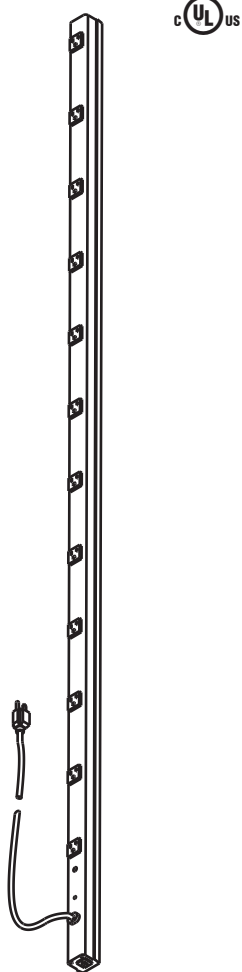
A much better indication of the robustness of a surge suppressor is the Nominal Discharge Current (I_n). The Nominal Discharge Current is a rating of the current surge current the surge suppressor can handle for 15 surges and still remain functional. This rating is independently verified by Underwriters Laboratories (UL) and the rating is required to be marked on the surge suppressor.

In fact, UL requires that the surge suppressor must have an I_n rating of 3kA or it is not suitable for installation closer than 30 feet [10m] from the service entrance. All of our surge suppressors have an I_n rating of 3kA and can be used anywhere in the building.

When comparing surge suppressors, don't be fooled by the Joule game. Look for an I_n rating of 3kA to be sure you are getting the best in surge suppression.

20A CabinetMATE Surge Protector Ordering Information

Catalog No.:
2008BCS20R/2008BDS20R

**Description/
Item Specifications:**

**20A CabinetMATE Surge
Protector –** Eight 20A
outlets with t-slots. 6' [1.8m]
or 15'. Length: 20" [508mm].

Catalog No.:
4810BCS20R/4810BDS20R

**Description/
Item Specifications:**

**20A CabinetMATE Surge
Protector –** Ten 20A outlets
with t-slots. 6' [1.8m] or
15' [4.6m] cord. Length:
48" [1.2m].

Catalog No.:
7011BCS20R/7011BDS20R

**Description/
Item Specifications:**

**20A CabinetMATE Surge
Protector –** Eleven 20A
outlets with t-slots. 6'
[1.8m] or 15' [4.6m] cord.
Length: 70" [1.8m].

Catalog No.:
7712BCS20R/7712BDS20R

**Description/
Item Specifications:**

**20A CabinetMATE Surge
Protector –** Twelve 20A
outlets with t-slots. 6'
[1.8m] or 15' [4.6m] cord.
Length: 77" [2m].

NOTE: For surge specifications of these CabinetMate products, refer to the
CabinetMate Surge Protector Specifications listed on the previous page.

Questions? Call Technical Support today at 1-800-SENTREX.

Wiremold

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