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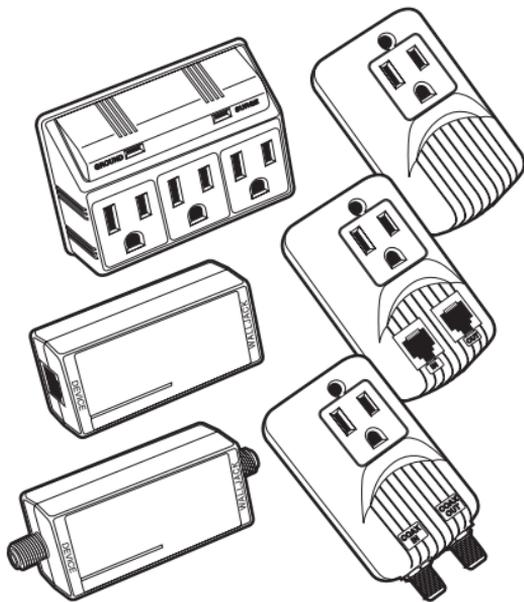
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NOVEMBER 2000

SP080A	SP083A
SP081A	SP084A
SP082A	SP085A

Wallmount Surge Protectors



CUSTOMER SUPPORT INFORMATION

Order **toll-free** in the U.S.: Call **877-877-BBOX** (outside U.S. call **724-746-5500**)

FREE technical support 24 hours a day, 7 days a week: Call **724-746-5500** or fax **724-746-0746**

Mailing address: **Black Box Corporation**, 1000 Park Drive, Lawrence, PA 15055-1018

Web site: www.blackbox.com • E-mail: info@blackbox.com

TRADEMARKS USED IN THIS MANUAL

UL is a registered trademark of Underwriters Laboratories Incorporated.

Any trademarks mentioned in this manual are acknowledged to be the property of the trademark owners.

Specifications

Performance

SP080A–SP083A

Maximum Surge Current — 26,000 amps

EMI/RFI Noise Rejection — Up to -20 dB

Continuous Current — 15 amps

MCOV — 130 VAC

Service Voltage — 120 VAC

Clamping Voltage — 400V peak

Energy Rating — 270 joules per Mode

Response Time — Instantaneous

Operating Frequency — 50/60/400 Hz

Protection Modes — L-N, L-G, N-G

SP084A–SP085A

Let-Through Voltage — SP084A: $\pm 240\text{V}$; SP085A: $\pm 58\text{V}$

Data-Line Protection — SP084A: Yes; SP085A: No

CATV Protection — SP084A: No; SP085A: Yes

Response Time — <1 ps

Frequency Range — SP084A: 0–1 MHz; SP085A: 10 MHz–1.5 GHz

Circuit — Tight Clamping Single Stage

Mechanical Description (SP080A–SP083A only)

Housing — SP083A: IABS Retardation; All other models: ABS Retardation

Housing Color — White

Receptacles — SP083A: 3; All other models: 1

Circuit Type — SP083A: Multi-Stage Hybrid; All other models: High Energy

WALLMOUNT SURGE PROTECTORS

Size — SP083A: 1"H x 3.5"W x 2.25"D (2.5 x 8.9 x 5.7 cm); All other models: 1.5"H x 1.9"W x 3.25"D (3.8 x 4.8 x 8.3 cm)

Diagnostics (SP080A–SP083A only)

Red Status LED

Safety Approvals

UL® 1449 2nd Edition, cUL

Introduction

Description

The Wallmount Surge Protectors use a suppression circuit that provides up to 26,000 amps of surge protection. You can also choose models that give you the option of data and cable line protection.

Applications

These Wallmount Surge Protectors are ideal for use with cordless phones, microwaves, fax machines, garage-door openers, clock radios, answering machines, TVs, VCRs, satellite receivers, CD players, and any other single-outlet application. (The SP083A, however, provides three outlets.)

Safety

These surge protectors meet the latest UL listing for surge protection devices, UL 1449 Second Edition.

Installation

Simply plug the surge protector into any convenient outlet. The compact design allows the surge protector to be installed behind counter-top appliances or furniture. Telephone or CATV cables quickly connect to the same suppressor to provide maximum protection.