



Zone/Horn/Strobe/Data Protection

FAS-1 and FAS-2 Series



The **FAS-1** and **FAS-2 Series** are multi-stage single or two pair surge suppressors for use in high exposure applications.

These products were specifically designed to meet multiple low voltage protection applications in the fire and security industries, such as Zone/Horn/Strobe/Data.



497B

FEATURES

- Lightning Protection for Low Voltage Data/Signal Lines
- Multi-Stage Protection
- Common Mode and Differential Mode Protection
- Automatic Recovery
- Fast Response Time
- UL 497B Listed

ORDERING INFORMATION

- 12VDC use: FAS-1-018HC (single pair)
FAS-2-018HC (two pair)
- 24VDC use: FAS-1-033HC (single pair)
FAS-2-033HC (two pair)
- 24VAC use: FAS-1-043HC (single pair)
FAS-2-043HC (two pair)
- 48VDC use: *FAS-1-060HC (single pair)
*FAS-2-060HC (two pair)
*Not UL Listed

SPECIFICATIONS

Peak Surge Current (10 Times):

8x20 μ s..... 10kA (2500A per line)

10x700 μ s..... 500A per line

Life Expectancy:

8x20 μ s (2000A)..... >100x

10x700 μ s (400A)..... >100x

Response Time..... <1ns

Clamping Voltage..... 18, 33, 43 or 60V

Technology..... SAD/Hybrid

Series Resistance..... 0.2 Ohms/pair

Capacitance (typical)..... 1500 pf

Operating Temperature..... -40°C to +85°C

Weight..... 4 oz.

Dimensions: HxWxL.....(-1) 2.0" x1.5"x1.0"

(-2) 2.0"x 2.0"x1.5"

CAUTION

The hybrid design of this product includes series resistance. Do not place this product in service on any signal line capable of supplying more than 2.5 Amperes continuously.

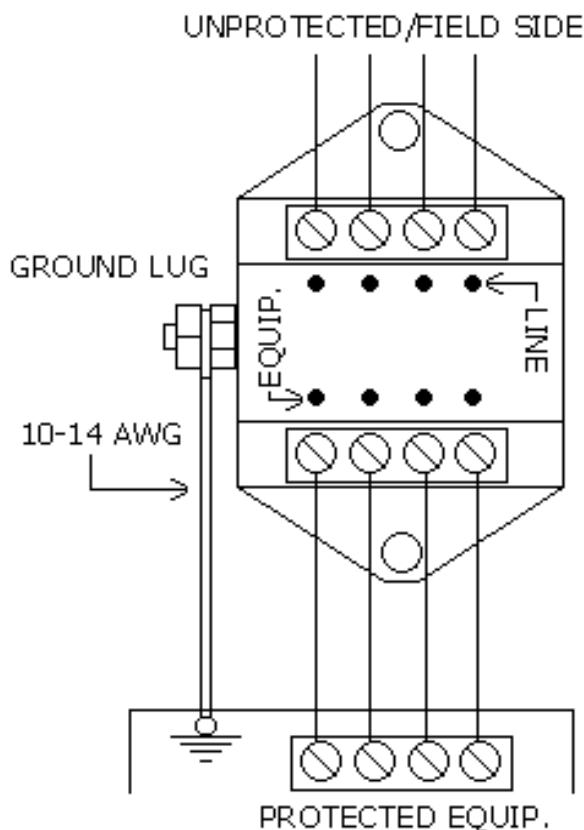


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INSTALLATION INSTRUCTIONS

- A. Never install data wiring during a lightning storm.
- B. Disconnect data line before installing the protection module.
- C. These protectors are intended for indoor use on communication loop circuits which have been isolated from the Public Switch Telephone Network.
- D. The communication loop circuits shall not be exposed to accidental contact with the electric light or power conductors. The protectors shall be installed per the applicable requirements of the National Electric Code, ANSI/NFPA 70.



GROUNDING:

1ST CHOICE: USE AC
POWER GROUND

2ND CHOICE: USE BLDG
(STEEL) GROUND



EMERSON™
Network Power



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