KENICK

Surge Protective Device

The **PEMCO FAS-31XTP** is a single pair telephone protector that implements an advanced three-stage hybrid design. This unit addresses over-voltage transients with gas discharge tubes (GDT) and silicon breakover devices. Additionally, sneak and fault currents are mitigated with PTC technology, which consists of solid state resettable fuses. FAS-31XTP is specifically designed for more rugged applications such as traffic cabinets.
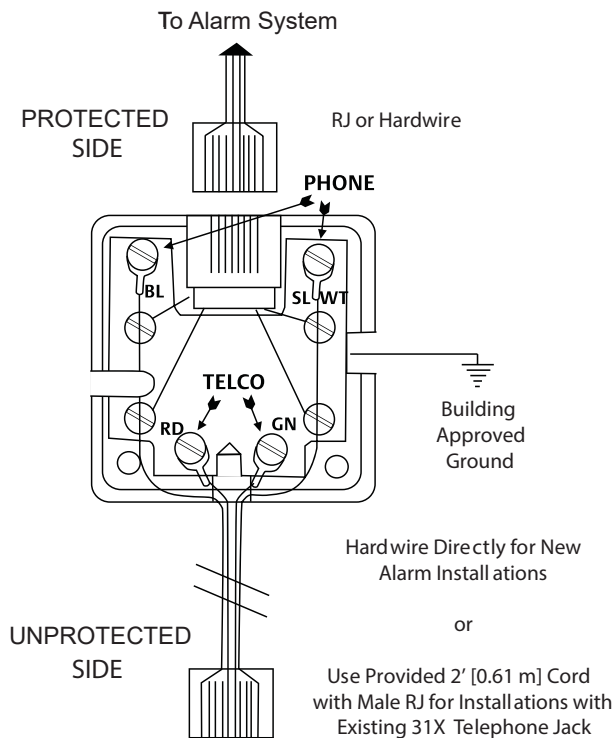
Key Specs

- **Voltage:** 0-220 VDC

- **Current:** 150mA

- **Connection:** Input: Hardwire or RJ-11, Output: Hardwire or RJ-11

- **Mounting:** Wall Mount

See Ordering Information for model number selection

Features

- Three-stage hybrid design

- Rugged gas tube protection

- Sneak/fault current protection

- Fast response time

- 5 year warranty

General Technical Specifications	
Operating Voltage	220 VDC
Clamping Voltage	270 VDC
Operating Current	0.15 A
Peak Surge Current	10kA (8 x 20µs)
Frequency Range	0 to 20 MHz
Insertion Loss	< 0.1 dB at 20 MHz
SPD Technology	GDT, SAD, w/ Series PTC
Connection Type	RJ or screw terminal in RJ connector or screw terminal out
Operating Temperature	-40°C to +85°C De-Rate 40% at +85°C
Dimensions (in / mm)	1.0" H x 2.0" W x 2.0" L [25.4 x 50.8 x 50.8 mm]
Weight (oz / kg)	2 oz [0.06 kg]
Warranty	5 years

Caution
Do not place this product in service on any signal line capable of supplying more than 150 mA continuously.

⚠ DANGER!

Only qualified personnel should install or service this system. Electrical safety precautions must be followed when installing or servicing this equipment. To prevent risk of electrical shock, turn off and lock out all power sources to the unit before making electrical connections or servicing.

Installation Instructions

To Alarm System

PROTECTED SIDE

RJ or Hardwire

PHONE

BL   SL WT

TELCO

RD   GN

Building
Approved
Ground

UNPROTECTED SIDE

Hardwire Directly for New
Alarm Installations

or

Use Provided 2' [0.61 m] Cord
with Male RJ for Installations with
Existing 31X Telephone Jack

Ordering Information

MODEL	APPLICATION
FAS-31XTP	Telephone Line Protection For Traffic Cabinets

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USA Based

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