

# POWER MONITORING & PROTECTION

## POWER AND DATA LINE SURGE PROTECTOR

**MODELS HSP-121BT1RU, FAS-TEL**

### DESCRIPTION

The **Model HSP-121BT1RU** is an advanced, three-stage hybrid, solid-state power line protector. It is an inline-style surge protector designed for mounting in an enclosure or control panel to protect sensitive electronic controls from noise, surges, and spikes that are present on the power lines.

The **Model FAS-TEL** is an advanced two-stage hybrid, solid-state phone and data line surge protector. It is designed to protect electronic equipment from unwanted surges and transients that may be present on the phone line or communications data lines.

### FEATURES

- Protection from overvoltage transients
- Three-stage hybrid technology
- Automatic recovery
- Fast response time



### SPECIFICATIONS

#### HSP-121BT1RU

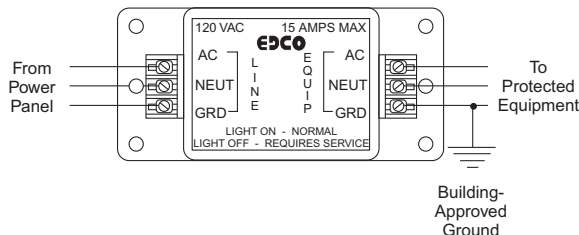
Operating voltage	120 VAC, 60 Hz
Operating current	15A
Clamping category	330V L-N, 400V L-G ANSI/IEEE C62.41 1991-CAT.C1/B3
Peak clamp voltage	315V L-N, 350V L-G
Response time	<5 ns
Surge max	10,000A
Ambient temp	-3° to 186°F (-20° to 85°C)
Connections	Terminals
Fuse	15A slowblow (GF-15S) Blown fuse will disconnect load from power source.
Agency approval	UL 1449A recognized component, File# E324279
Dimensions	2.95" H x 5.25" W x 2.0" D (7.5 x 13.3 x 5.1 cm)
Indication	LED, extinguishes on overload or internal protection failure
Weight	13.4 oz (381g)

Warranty 1 year

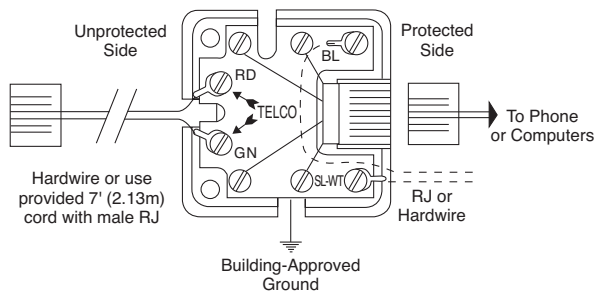
#### FAS-TEL

Max peak signal voltage	220V
Nominal breakdown voltage	270V
Response time	<1 ns
Surge max	100A, 10 x 1000 µs
Max continuous current	150 mA
Nominal series resistance	8Ω
Capacitance	50 pF
Ambient temp	-40° to 149°F (-40° to 65°C)
Connections	1 female, 1 male RJ11 jacks
Protection	Between TIP/RING/GND
Agency approval	UL 1449 listed, File #E118759
Dimensions	2.0" H x 2.0" W x 1.0" D (5.1 x 5.1 x 2.5 cm)
Weight	8.0 oz (227g)
Warranty	1 year

### WIRING



**HSP-121BT1RU**



**FAS-TEL**

### ORDERING INFORMATION

**MODEL**  
**HSP-121BT1RU**  
**FAS-TEL**

**DESCRIPTION**  
**120 VAC inline surge protector with terminal block**  
**Data line/telephone line protector**