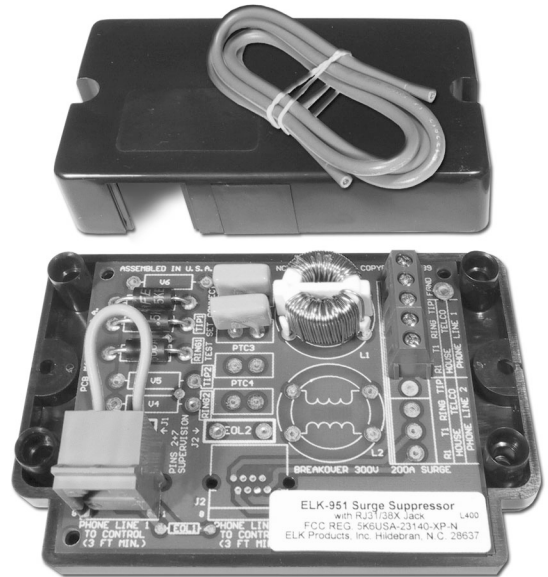


Single Telephone Line Surge Suppressor

ELK-951

The ELK-951 is an RJ31/38X Telephone Jack containing solid state transient suppression designed to protect the Telephone inputs on an alarm control. It responds to power surges and transients in less than 1 nanosecond, automatically restoring after each surge within the specified ratings. The ELK-951 is compact and easy to install and features high quality, clearly labeled screw terminals, 8 pin modular phone connector, built-in tamper loop, and automatic shorting pins for cord removal. The ELK-951 is FCC Registered under part 68 and eliminates the need for a separate RJ31X telephone jack.



Features

- Superior Solid State Surge Suppression.
- Rapid Response Time.
- Protects Incoming Telephone Line.
- Clamps Line-To-Line & Line-To-Ground.
- Self-restoring After Surges Within Ratings.
- RJ31/38X 8-Pin Modular Jacks.
- Convenient Test points for Lineman's Test set.
- Surface Mount Enclosure

Specifications

- Response Time: <1 Nanosecond.
- Breakover Voltage: 300 Volts.
- Peak Pulse Current: 100 Amps.
- Ground Wire: 24" - 14 Gauge Stranded.
- FCC Reg. No.: 5K6USA-23140-XP-N Ren No. 0.0B.
- Size: 4.4" x 3" x 1.15".

Instructions

ELK-951

EGND EARTH GROUND Connect to a good quality earth ground using a 14-16 gauge wire. Best choices of ground are: Copper or galvanized rod (6' or longer) driven into the ground OR a metallic cold water pipe. Do not use PVC pipe! If all else fails, a less effective but alternative ground is the screw on the cover of an electrical outlet.

TELCO LINE 1 **RING** - Connect one side of the **Incoming Telephone Line** pair. (Commonly colored RED)
TIP - Connect the other side of the **Incoming Telephone Line** pair. (Commonly colored GREEN)

HOUSE PHONE 1 **R1** - Connect one side of the pair returning to the **House Phone(s)**. (Commonly colored BLACK)
T1 - Connect the other side of the pair returning to the **House Phone(s)**. (Commonly colored YELLOW)

J1 Utilizing individual 8 wire modular cord, connect the equipment to be protected (Digital Communicator, Telephone Key Set, etc.) to the modular jack J1. For optimum surge protection the cord should be 3 feet or longer. Pins 4 & 5 are RING and TIP going to the equipment. Pins 1 & 8 are R1 and T1 returning from the equipment. Pins 2 & 7 are shorted together by a jumper to create closed circuit tamper loop for supervising the modular plug. To convert to resistored EOL circuits, cut the jumper and attach the required resistor in series with the jumper.

