

\* Try these other fine ELK products \*

**Magic Module Series**

- MM443** MagicModule, 4 Input, 4 Output, Programmable
- MM447** Automation Controller w/Voice, Caddx Interface
- MV480** Recordable Voice Module, 400 Channels
- MKHOME1** Home Control Kit for Caddx NX Controls
- MK400** Starter Kit, Includes MM443 & MK485
- MK485** Programming Kit, MB485, Cables, Software
- MK410** X-10<sup>®</sup> Transceiver Kit, Programmed MM443
- MK420** iButton™ Access Kit w/ MM443, MA100, MA101
- MA100** iButton™ 'Touchkey' Reader & Interface Pack
- MA101** iButton™ 'Touchkeys', 10 pcs w/keyring holders
- MA290** Proximity / Wiegand Data Interface to MM443
- MB485** Data Bus Interface, RS232 to RS485
- MC100** Clock / Calendar Module for MM443
- ML8** Link Interface to Caddx NX Controls
- MT100** Temperature Sensor Module for MM443
- MM220** MagicModule, 2 Input, 2 Output, Programmable

**Rust Free Sirens / Speakers**

- 1RT** Speaker & Stainless Steel Enclosure
- 150RT** Siren & Stainless Steel Enclosure
- 155RT** Voice Siren in Stainless Steel Box

**Speakers & Sirens**

- 44** Speaker, 30 W, 8 Ohm Compact Horn
- 45** Siren, Compact Horn, 118db
- 55** Voice Siren, Compact Horn
- M120** Siren, Single Tone, 107db, Mini Horn
- SP15** Speaker, 15 watt, Small Horn
- SP30** Speaker, 30 watt, Horn
- SP35** Speaker, 20 watt, Interior
- SP40** Speaker, 40 watt, Horn
- SS15** Siren, Dual Tone, 110db, Horn
- SS30** Siren, Dual Tone, 120db, Horn
- SS36** Siren, Dual Tone, 105db, Interior

**ECHO™ Sirens & Speakers**

- 73** ECHOSpeaker, 20 Watt, Interior
- 74** ECHO Dual Tone Siren, Interior
- 75** ECHO Voice Siren, Interior
- 870** ECHO Speaker, Self Amplified

**Siren & Voice Drivers**

- 100** High Performance Siren Driver
- 110** Voice Siren Driver, English & Spanish
- 120** Recordable Voice Module and Siren
- 124** Recordable Voice Module, 4 Channels

**Surge Suppressors**

- 950** Surge Suppressor, Phone & Power Line
- 951** Surge Suppressor, Phone - Single Line
- 955** Surge Suppressor, Phone - Dual Line

**Relay Modules**

- 912** Compact Relay, 12 Vdc, SPDT
- 912B** Heavy Duty Compact Relay, 12/24 Vdc, SPDT
- 924** Sensitive Relay, 12/24 Vdc, DPDT
- 941** Alarm Output Director
- 960** Delay Timer Relay, 1 sec. to 60 min.

**Power Products**

- 1240** Battery, Lead Acid, 12v, 5Ah
- 1270** Battery, Lead Acid, 12v, 8Ah
- 12100** Battery, Lead Acid, 12v, 12Ah
- 12170** Battery, Lead Acid, 12v, 18Ah
- 12250** Battery, Lead Acid, 12v, 25Ah
- P112** 12 Volts DC, 1 Amp Power Supply w/Enclosure
- P124** 24 Volts DC, 800mA Power Supply w/Enclosure
- P1216** 12 Volts DC, 1.5 Amp Power Supply
- P412** 12 Volts DC, 4 Amp Power Supply
- P624** Power Supply & Battery Charger
- PD9** Power Distribution Module
- 965** Low Battery Cutoff and Power Switch
- TRG1640** Transformer, 16.5VAC @ 40 VA
- TRG2440** Transformer, 24VAC @ 40 VA

**Accessories**

- 129** Computer Sound Card Interface
- 800** Audio Amplifier, 10 Watts
- 900-2** "B" Connectors, Unfilled, 500 pcs
- 902-2** "B" Connectors, Gel filled, 500 pcs
- 980** Telephone Line Fault Monitor
- 998** Warning Alarm System Decals
- 999** Double Sided Tape
- SL1** Strobe Light, 4 colors available
- WK1** Wall Mount Kit for SL1 Strobes

For more information contact your local Distributor or:  
 ELK PRODUCTS, INC 828-397-4200 FAX 828-397-4415  
<http://www.elkproducts.com> Email: [info@elkproducts.com](mailto:info@elkproducts.com)

# Phone Line Jack & Surge Suppressor ELK-951

**APPLICATION:**

The **ELK-951 Phone Line Jack & Surge Suppressor** is an extremely effective device for protecting communications equipment from damaging transients coming in over the telephone line. The ELK-951 is FCC listed as an RJ-31/38X disconnect block, making it ideal for use with digital communicators for both security and fire applications.



## Phone Line Jack & Surge Suppressor ELK-951



**FEATURES:**

- Superior Solid State Surge Suppression.
- Rapid Response Time.
- Protects Incoming Telephone Line.
- Clamps Line-To-Line & Line-To-Ground.
- Self-restores After Surges Within Ratings.
- RJ31/38X 8 Position Modular Jack.
- Convenient Testpoints For Linemans Testset.
- Attractive Surface Mount Enclosure.

**SPECIFICATIONS:**

- Response Time: < 1 Nanosecond.
- Breakover Voltage, Telephone Line: 300 Volts.
- Peak Pulse Current, Telephone Line: 100 Amps.
- Ground Wire: 24" - 14 Gauge Stranded.

This device complies with Part 68 of the FCC rules.  
 FCC Reg. No. 5K6USA-23140-XP-N Ren No. 0.0B.

Features and Specifications subject to change without notice.



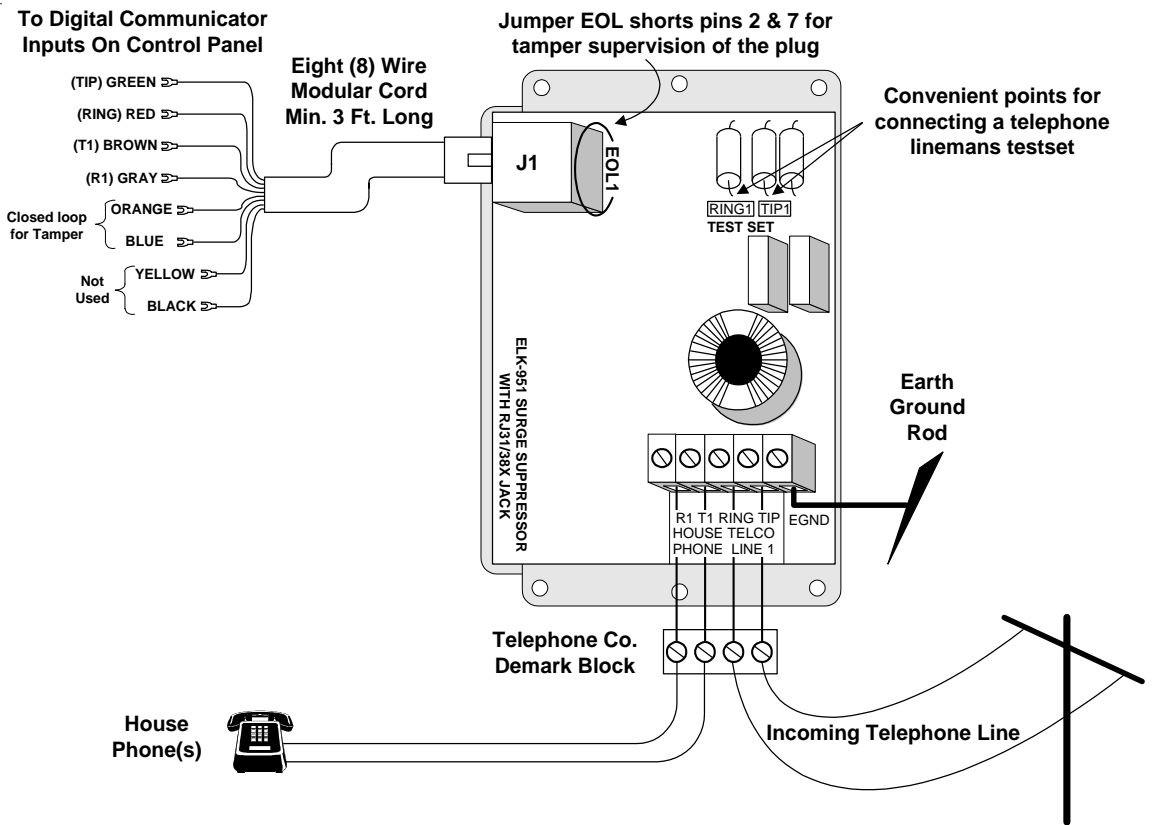
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PO Box 100 • Hwy. 70W • Hildebran, NC 28637 • USA

**Instructions Printed On Inside**

# INSTALLATION CONNECTIONS

- EGND**      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.



## LIFETIME LIMITED WARRANTY

Elk Products, Inc. ("Manufacturer") warrants to the original purchaser (the "Customer") that the products it manufactures ("Product") shall be free from defects in material and workmanship at time of shipment. Manufacturer's obligations under this Limited Warranty shall be limited to repairing or replacing, at its option, free of charge, any product returned to Manufacturer freight prepaid. Manufacturer shall have no obligation under this Limited Warranty or otherwise if (1) the Product has been damaged by negligence, accident, mishandling, lightning or flood, or other Acts of God, (2) the Product has not been operated in accordance with its operating instructions, (3) the Product has been altered or repaired by anyone outside Manufacturer's authorized facilities (4) adaptations or accessories have been made or attached to the Product which, in Manufacturer's sole determination, have adversely affected its performance, safety or reliability. Products such as batteries and fused transformers have their own warranties, and are not included in this Limited Warranty.

If a Product should malfunction or fail, contact Manufacturer or one of its authorized distributors for a Return Authorization (RA) number. Returned Products must include a complete description of the problem, along with the RA number clearly marked on outside of the package. Manufacturer will not be responsible for any unnecessary items included with any returned Product.

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