Two-Line Phone Jack & Surge Suppressor
ELK-955

APPLICATION:
The ELK-955 Two-Line Phone Jack & Surge Suppressor is an extremely effective device for protecting communications equipment from damaging transients coming in over the telephone line. The ELK-955 is FCC listed as an RJ-31/38X disconnect block, making it ideal for use with digital communicators for both security and fire applications.

FEATURES:
• Superior Solid State Surge Suppression.
• Rapid Response Time.
• Protects Two Incoming Telephone Lines.
• Clamps Line-To-Line & Line-To-Ground.
• Self-restores After Surges Within Ratings.
• RJ31/38X 8 Position Modular Jacks.
• 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.

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

Instructions Printed On Inside
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 RING - Connect one side of the Incoming Telephone Line pair. (Commonly colored RED)
LINE 1 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)

TELCO RING - Connect one side of the Incoming Telephone Line pair. (Commonly colored RED)
LINE 2 TIP - Connect the other side of the Incoming Telephone Line pair. (Commonly colored GREEN)

HOUSE PHONE 2 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 & J2 Utilizing individual 8 wire modular cord, connect the equipment to be protected (Digital Communicator, Telephone Key Set, etc.) to the modular jacks J1 and J2. For optimum surge protection the cords 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 jumpers to create closed circuit tamper loops for supervising the modular plug. To convert to resistored EOL circuits, cut the jumpers and attach the required resistors in series with the jumpers.

To Digital Communicator Inputs On Control Panel

(TIP) GREEN
(RING) RED
(R1) GRAY
(T1) BROWN
Not Used

Closed loop for Tamper

TELEPHONE LINE 1

Eight (8) Wire Modular Cord Min. 3 Ft. Long

CONNECTIONS

To Computer, Fax Machine, etc.

(TIP) GREEN
(RING) RED
(R1) GRAY
(T1) BROWN
Not Used

Closed loop for Tamper

TELEPHONE LINE 2

Jumper EOL shorts pins 2 & 7 for tamper supervision of each plug

House Phone(s)
Line 2

House Phone(s)
Line 1

Ear Ground Rod

Incoming Telephone Line 1

Incoming Telephone Line 2

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.

Under no circumstances shall Manufacturer be liable for any indirect, incidental, special or consequential damages, including lost profits and revenues, inconvenience or interruptions in operations, or any other commercial or economic losses of any kind. These limitations and disclaimers are not made by Manufacturer where prohibited by law. Some states prohibit limitations of warranties and the customer may have additional rights in those states.

For more information contact your local Distributor or: Elk Products, Inc. - PO Box 100 - 3266 US Hwy. 70 West - Hildebran, NC - 28637 - USA - 828-397-4200

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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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