

# KRONE BLOCK PROTECTION

## LX - KRONE BLOCK SURGE PROTECTORS

### Features:

- **UL Listed Primary 497 (LX1)**
- **UL Listed Secondary 497A (LX2, LX3)**
- **Solid-state Protection** - Provides the fastest response to transient voltages (1-5 nanoseconds) by quickly diverting damaging surges to ground and resetting.
- **Single Pair Protection** - Scale the protection to the system size. Protect only the lines requiring protection.

- **Streamlined Installation** - Press fit protectors to either Krone 110 (10-pair) blocks or Krone 110 (25-pair / 50-pair 89D blocks).
- **Cost Savings** - Eliminate expensive five-pin blocks while using economical Krone 110 Blocks.
- **Optimum Protection** - Available in a number of voltage ratings to match system operating voltages.
- **Lifetime Product Warranty**



### ORDERING INFORMATION

| ITW Linx Part Number | Description  |
|----------------------|--|
| LX1-75               | Primary Protector, UL Listed Per 497, with 1 MHz performance. (Clamping 75V)       |
| LX1-270              | Primary Protector, UL Listed Per 497, with 1 MHz performance. (Clamping 270V)      |
| LX2-30               | Secondary Protector, UL Listed Per 497A, with 250 KHz performance. (Clamping 30V)  |
| LX2-75               | Secondary Protector, UL Listed Per 497A, with 250 KHz performance. (Clamping 75V)  |
| LX2-235              | Secondary Protector, UL Listed Per 497A, with 250 KHz performance. (Clamping 235V) |
| LX3-30               | Secondary Protector, UL Listed Per 497A, with 100 MHz performance. (Clamping 30V)  |
| LX3-75               | Secondary Protector, UL Listed Per 497A, with 100 MHz performance. (Clamping 75V)  |
| LX3-235              | Secondary Protector, UL Listed Per 497A, with 100 MHz performance. (Clamping 235V) |

\*Above products have to be purchased of minimum 30, multiple 10 after.

\* Questions about ordering? Please contact us at **1-800-336-LINX** / Contact an authorized distributor for pricing \*



For up-to-date warranty information, please visit our web site at [www.itwlinx.com](http://www.itwlinx.com).

### TECHNICAL SPECIFICATIONS

#### PRODUCT SPECIFICATIONS:

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Agency Approval.....              | UL Primary 497 and UL Secondary 497A |
| LED Indicators.....               | N/A                                  |
| Grounding Requirements.....       | Field installed solid copper wire    |
| .....for Primary 1-6 pairs        | 10AWG                                |
| .....for Primary 7-50 pairs       | 6 AWG                                |
| .....for Secondary 1-6 pairs      | 14 AWG                               |
| .....for Secondary 7-50 pairs     | 6 AWG                                |
| Recommended Ground Impedance..... | <0.5 Ohm                             |
| Fuse Rating.....                  | 500mA                                |
| PTC Rating.....                   | N/A                                  |
| Applications.....                 | Voice / Fax / Modem lines            |
| Width.....                        | 0.70"                                |
| Height.....                       | 1.31"                                |
| Depth.....                        | 0.37"                                |
| Weight.....                       | 0.01 lbs                             |
| Product Warranty.....             | Lifetime                             |
| Connected Equipment Warranty..... | N/A                                  |

#### SIGNAL LINE SURGE PROTECTION:

##### OVER VOLTAGE CIRCUIT PROTECTION (LX1, LX2 & LX3)

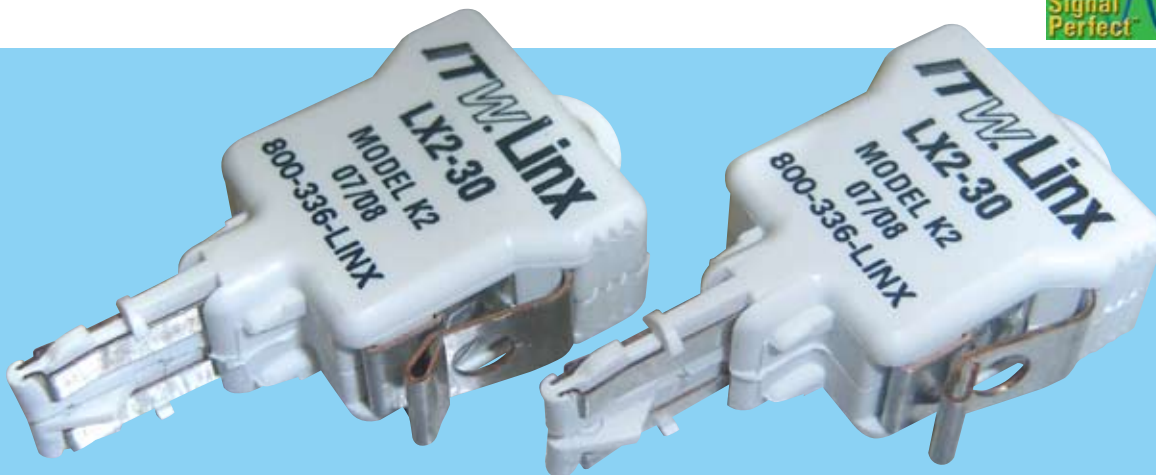
|                                    |                                   |
|------------------------------------|-----------------------------------|
| Signal Perfect Circuitry.....      | Yes                               |
| Auto-Resettable.....               | Yes                               |
| Clamping Level.....                | 30V, 75V, 235V or 270V (LX1 Only) |
| Response Time.....                 | 1-5 Nanoseconds                   |
| Insulation Resistance.....         | > 100 MOhms                       |
| On-state Voltage (typical).....    | 3V @ I <sub>t</sub> of 1 amp      |
| Repetitive Peak Pulse Current..... | 250 amps maximum @ 8 x 20µS       |
| .....                              | 150 amps maximum @ 10 x 160µS     |
| .....                              | 80 amps maximum @ 10 x 1000µS     |
| Holding Current.....               | 150mA                             |

##### OVER CURRENT CIRCUIT PROTECTION (LX2 & LX3)

|   |                     |
|---|---------------------|
| Signal Perfect Circuitry.....                   | Yes                 |
| Auto-Resettable.....                            | No                  |
| Current Rating.....                             | 0.5 Amps            |
| Operating Time @ 100% I <sub>rating</sub> ..... | 4 hours minimum     |
| Operating Time @ 250% I <sub>rating</sub> ..... | 120 seconds maximum |
| Series Resistance.....                          | 1 ohm maximum       |
| Resistance Imbalance.....                       | 0.5 ohms maximum    |

For more technical information, refer to "TECHNICAL REFERENCE", page(81-98).

Signal Perfect™ - For more information, refer to page 81.



Ultra Linx™