

LX—VOICE / HIGH-SPEED DATA SERIES 2 K110 BLOCK SURGE PROTECTORS

Series 2 K110 Block Protection



Features

- **UL Listed Primary 497 (LX1) and UL Listed Secondary 497A (LX2, LX3, LX4).**
- **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 Series 2 K110 (10-pair) blocks or Series 2 K110 (25- / 50-pair 89D blocks).
- **Cost Savings**—Eliminate expensive five-pin blocks while using economical Series 2 K110 Blocks.
- **Optimum Protection**—Available in a number of voltage ratings to match system operating voltages.
- **Lifetime Product Warranty**—For up-to-date warranty information visit: itwlinx.com

Technical Specifications

Designs and specifications are subject to change without notice due to product improvement.

PRODUCT SPECIFICATIONS:

Agency Approval	UL Primary 497 and UL Secondary 497A
LED Indicators	N/A
Grounding Requirements	Field installed solid cooper wire
	for Primary 1–6 pairs 10 AWG
	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 _t of 1 amp
Repetitive Peak Pulse Current	250 amps maximum @ 8 × 20μS
	150 amps maximum @ 10 × 160μS
	80 amps maximum @ 10 × 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 _{rating}	4 hours minimum
Operating Time @ 250% I _{rating}	120 seconds maximum
Series Resistance	1 ohm maximum
Resistance Imbalance	0.5 ohms maximum

For up-to-date warranty information see our web site: www.itwlinx.com



More information is available in the Technical Reference section of this catalog, turn to page 92.

Applications:

- Telephone Systems
- Fax Machines
- Cameras
- Access Controls
- Alarms

Ordering Information

ITW Linx Part Number	Description	Performance	Clamping Voltage
LX1-75	Primary Protector, UL Listed Per 497	1 MHz	75V
LX1-270	Primary Protector, UL Listed Per 497	1 MHz	270V
LX2-30	Secondary Protector, UL Listed Per 497A	250 kHz	30V
LX2-75	Secondary Protector, UL Listed Per 497A	250 kHz	75V
LX2-235	Secondary Protector, UL Listed Per 497A	250 kHz	235V
LX3-30	Secondary Protector, UL Listed Per 497A	100 MHz	30V
LX3-75	Secondary Protector, UL Listed Per 497A	100 MHz	75V
LX3-235	Secondary Protector, UL Listed Per 497A	100 MHz	235V
LX4	Secondary Protector, UL Listed Per 497A	Sneak Current Protector	

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