



SurgeGate Series Modular Protection

Modular Protection

CAT5-75—CATEGORY 5E SOLID-STATE BUILDING ENTRANCE PROTECTORS



Features

- UL Listed for Primary (497) and Isolated Loop (497B) applications.
- Exceeds TIA/EIA Standards 568 and 758 for category 5e performance.
- Solid-state protection provides the fastest response to transient voltages (1–5 nanoseconds) by quickly diverting damaging surges to ground.
- Use between buildings in a campus environment as a building entrance protector or in hostile industrial applications as an isolated loop protector.
- **Expandable System Protection**—SurgeGate Series Base Units and Modules can be attached to expand system protection as your system grows.
- **Lifetime Product Warranty**—This surge protector shall be free of any defects in design, materials, or workmanship, or ITW Linx will repair or replace the defective product.
- **\$50,000 Connected Equipment Warranty**—This ITW Linx product will protect your equipment or we will repair or replace it up to \$50,000!

Technical Specifications

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

PRODUCT SPECIFICATIONS:

Agency Approval	UL Primary (497) and Isolated Loop (497B)
LED Indicators	N/A
Grounding Requirements	Uses Electrical AC ground, for use with SurgeGate Series AC Base Units. See Technical Reference page 106–107 for additional grounding tips.
Recommended Ground Impedance	< 0.5 Ohm
Width	4.25"
Height	4.25"
Depth	1.5"
Weight	0.42 lbs
Product Warranty	Lifetime
Connected Equipment Warranty	Up to \$50,000



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



SIGNAL LINE SURGE PROTECTION:

TELCO CIRCUIT PROTECTION

Signal Perfect Circuitry	Yes
Fuseless/Auto-Resettable	Yes
Clamping Level	75V
Response Time	1–5 Nanoseconds
Capacitance	< 20pF
Suppression Modes	Metallic & Longitudinal
Wires Protected	4-pairs
Termination Type	110 Punchdown or RJ-45

COAX CIRCUIT PROTECTION

Signal Perfect Circuitry	N/A
Fuseless/Auto-Resettable	N/A
Response Time	N/A
Termination	N/A
Antenna/Cable Lines Protected	N/A
Antenna/Cable Clamping Level	N/A
Antenna/Cable Attenuation	N/A
Satellite Lines Protected	N/A
Satellite Clamping Level	N/A
Satellite Attenuation	N/A

LAN CIRCUIT PROTECTION

Signal Perfect Circuitry	Yes
Fuseless/Auto-Resettable	Yes
Performance Rating	Cat 5e
Clamping Level	75V
Response Time	1–5 Nanoseconds
Capacitance	< 20pF
Wires Protected	4-pairs
Termination Type	110 Punchdown or RJ-45



More information is available in the Technical Reference section of this catalog, turn to page 86.

SurgeGate

Applications:

- Telephone Systems
- Cameras
- Access Controls
- Alarms
- Networks

AC SURGE PROTECTION:

SurgeGate Plus Circuitry	N/A
Protect or Disconnect Circuitry	N/A
Thermal Fusing	N/A
Catastrophic Surge Circuit	N/A
Over/Undervoltage Voltage Protection	N/A
Overvoltage Voltage Shutoff	N/A
Undervoltage Voltage Shutoff	N/A
Single Pulse Energy Dissipation	N/A
Peak Impulse Current	N/A
EMI/RFI Noise Filtration	N/A
Line Voltage	N/A
Initial Clamping Level	N/A
Clamping Level	N/A
Protection Modes	N/A
Maximum Current Rating	N/A
Response Time	N/A
Plug Configuration	N/A
Number of Outlets	N/A
Switched Outlets	N/A
Cord Length	N/A

Ordering Information

ITW Linx Part Number	Description	Termination Type
CAT5-75	Protects high-performance 4-pair Category 5e Outside Plant Cables as well as Category 5e UTP cables for voice or ISDN low-voltage (digital, 75V) applications.	110 Punchdown
CAT5-75-RJ45	Protects high-performance 4-pair Category 5e Outside Plant Cables as well as Category 5e UTP cables for voice or ISDN low-voltage (digital, 75V) applications.	RJ-45

Both protectors can be used for end-span POE applications where power and data are on the all 4-pairs.

