

CAT5-235—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**—towerMAX 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 towerMAX 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 |



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 |

SIGNAL LINE SURGE PROTECTION:

TELCO CIRCUIT PROTECTION

| | |
|--------------------------|-------------------------|
| Signal Perfect Circuitry | Yes |
| Fuseless/Auto-Resettable | Yes |
| Clamping Level | 235V |
| 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 | N/A |
| Fuseless/Auto-Resettable | N/A |
| Clamping Level | N/A |
| Performance Rating | N/A |
| Response Time | N/A |
| Capacitance | N/A |
| Wires Protected | N/A |
| Termination Type | N/A |



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

Ordering Information

| ITW Linx Part Number | Description | Termination Type |
|----------------------|---|------------------|
| CAT5-235 | Protects high-performance 4-pair Category 5e Outside Plant Cables as well as Category 5e UTP cables for voice or ISDN applications (235V clamping). | 110 Punchdown |
| CAT5-235-RJ45 | Protects high-performance 4-pair Category 5e Outside Plant Cables as well as Category 5e UTP cables for voice or ISDN applications (235V clamping). | RJ-45 |

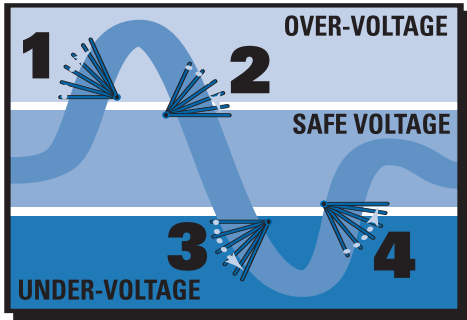
Applications:

- Telephone Systems
- Workstations
- Printers
- Fax Machines
- Copiers
- TVs / VCRs
- Cameras
- Access Controls
- Alarms

ITW LINX INNOVATIVE PROTECTION CIRCUITRY FEATURING:

SurgeGate Plus Circuitry

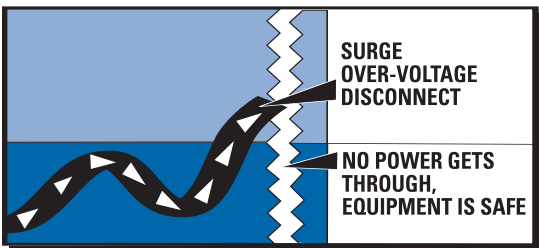
Protects against prolonged overvoltages and undervoltages by automatically disconnecting the power to your equipment, then reconnecting it when the power has returned to a safe level. This patented circuitry acts as a gate to prevent unsafe voltages from damaging sensitive equipment.



- 1.) Overvoltage **DISCONNECT**
- 2.) Safevoltage **RECONNECT**
- 3.) Undervoltage **DISCONNECT**
- 4.) Safevoltage **RECONNECT**

Protect or Disconnect Circuitry

Protects equipment against all surges. In the event of a catastrophic surge such as lightning, it completely disconnects AC power to the connected equipment and to the protector.



Signal Perfect Circuitry

Auto-resetting surge protection for data networks, telephone and coax lines. This optimized circuitry ensures a clean, clear signal and features solid-state suppressors for maximum protection and reliability.

