

**CAT6-LAN—CATEGORY 6 SOLID-STATE BUILDING ENTRANCE PROTECTOR**



**Features**

- UL Listed for Primary (497) and Isolated Loop (497B) applications.
- Exceeds TIA/EIA Standards 568B.2-1 and 758 for category 6 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](http://www.itwlinx.com)



**SIGNAL LINE SURGE PROTECTION:**

**TELCO CIRCUIT PROTECTION**

|                                     |     |
|-------------------------------------|-----|
| Signal Perfect Circuitry . . . . .  | N/A |
| Fuseless/Auto-Resetttable . . . . . | N/A |
| Clamping Level . . . . .            | N/A |
| Response Time . . . . .             | N/A |
| Capacitance . . . . .               | N/A |
| Suppression Modes . . . . .         | N/A |
| Wires Protected . . . . .           | N/A |
| Termination Type . . . . .          | N/A |

**COAX CIRCUIT PROTECTION**

|   |     |
|---|-----|
| Signal Perfect Circuitry . . . . .      | N/A |
| Fuseless/Auto-Resetttable . . . . .     | 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-Resetttable . . . . . | Yes             |
| Performance Rating . . . . .        | Cat 6           |
| Clamping Level . . . . .            | 16V             |
| Response Time . . . . .             | 1–5 Nanoseconds |
| Capacitance . . . . .               | < 20pF          |
| Wires Protected . . . . .           | 4-pairs         |
| Termination Type . . . . .          | 110 Punchdown   |



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

**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 |

**Applications:**

- Work-stations
- Cameras
- Access Controls
- Alarms
- Networks

**Ordering Information**

| ITW Linx Part Number | Description   | Termination Type |
|----------------------|---|------------------|
| CAT6-LAN             | Protects high-performance 4-pair Category 6 Outside Plant Cables as well as Category 6 UTP cables for LAN/Data applications (16V clamping). | 110 Punchdown    |