Vi2001

Features

- Direct in line port plug in module saving valuable equipment space
- Innovative direct in line port plug in module saving valuable equipment space
- Ability to choose only those ports that require extra protection
- The best protection for standard and extended UTP Ethernet runs
- Provides additional port protection for cameras, DVRs, and NVRs
- Compatible with 10/100/1000 BaseT port
- Does not require extra ground cable
- Compatible with PoE 802.3af and 802.3at
- Tested and certified to EN61000-4-5 and EN65024 surge standards

Applications

- UTP Ethernet cable runs subject to exposed elements or operating close to power line and other electrically powered equipment
- Extended distance UTP cable runs
- Ethernet Networks in industrial environment
- IP cameras and other network equipment operating in uncontrolled environments such as parking lots, warehouses and perimeter applications

Vigitron’s Vi2001 in line Ethernet surge protector is designed to provide protection where cable runs can be subject to electric spikes from outside environmental sources. These spikes can damage equipment. The Vi2001 minimizes this potential by its built-in ability to self-discharge these spikes.

Its small format and easy to install is compatible with any RJ45 connector without the need for additional mounting or separate ground cable. Port data transfer is provided at 10/100/1000BaseT. The Vi2001 requires the shield of RJ45 connectors to be connected to chassis ground.

Application Diagrams
**Technical Specification**

**Electrical**
- **Ethernet Interface**: Standard 10/100/1000BaseT, MaxiCopper Extended 10/100 Ethernet
- **UTP**: Category 5 or higher
- **Power Supply**: No power required
- **Status LEDs**: Traffic, Link Through light-pipe
- **Connectors**: Male RJ-45, Female RJ-45
- **GND Connection**: Through Metal Tab
- **Compatible with**: IEEE 802.3af PoE, IEEE 802.3at PoE

**Environmental**
- **Humidity**: 0 to 95%, non-condensing
- **Temperature**: Operating: -40°C to +75°C, Storage: -40°C to +85°C

**Compliance**
- **Tested and Certified for**:
  - IEC 61000-4-2: ESD @ 15Kv (air), 8Kv (contact)
  - EC 61000-4-5: Lighting @ 8/20us
  - IEC 61000-4-2: 2006 EN55024
  - Compliance Category: B
  - Let through voltage1: 5Kv (air), 8Kv (contact)

**Mechanical**
- **Dimensions**: 0.55x0.63x1.1 in., 14x16x28 mm (HxWxL)
- **Weight**: 0.009 lb, 4 g

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**Ordering Information**

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<tr>
<th>PART No.</th>
<th>Description</th>
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<tr>
<td>VI2001</td>
<td>Inline Ethernet Surge Protector</td>
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**System Configuration**

**Extended Distance UTP**

**Standard Distance UTP**

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*Specifications subject to change without notice.*