

#### Introduction

Since 1980, Eaton's Innovative Technology has provided Surge Protective Devices (SPDs) to power quality equipment users around the world. Whatever your electrical surge protection need may be, Eaton's Innovative Technology has a Surge Protective Device to fill it!

#### General Features

- Description — 16 Line Category 5e local area network transient voltage surge suppression device; 100Base-Tx, 10Base-T
- Application — TIA/EIA-568-A-5 (Category 5e) Local Area Networks; Ethernet
- Warranty — 5-Year Free Replacement
- Manufacturer Qualifications — ISO® 9001:1994 Quality System Certification BSI FM 30833

#### Mechanical and Electrical Features

- Enclosure — Rack mount (19 inch); 2 RU height; Matte Black finish
- Connection —
  - Lines: Cat5e RJ45-modular jack connectors
  - Ground: 16 gauge steel, 3 mounting methods; Ground lug (#6 – 14 wire)
- Weight — 2.2 lbs (1.0 kg)
- Protection Modes — All 8 pins protected
- Frequency Range — ≤250 MHz
- Maximum Data Rate — 100 Mbps

- Response Time — ≤1 nanosecond
- Maximum Continuous Operating Voltage — 13 V Line, 26 V Line-Line
- NEXT — 51.3 dB min. @ 100 MHz
- PSNEXT — 43 dB min. @ 100 MHz
- ELFEXT — 41 dB min. @ 100 MHz
- PS-ELFEXT — 41 dB min. @ 100 MHz
- Return Loss — 14 dB min. @ 100 MHz
- Attenuation — 2.1 dB max. @ 100 MHz
- Delay Skew — 1 ns/100 m; max. @ 100 MHz
- Propagation Delay — 18 ns/100 m; max. @ 100 MHz
- Equivalent Wire Length — 12 feet (3.66 m)
- Maximum Current — 1 Amp @ 25°C
- ACR — 77 dB @ 100 MHz
- PS-ACR — 69 dB @ 100 MHz

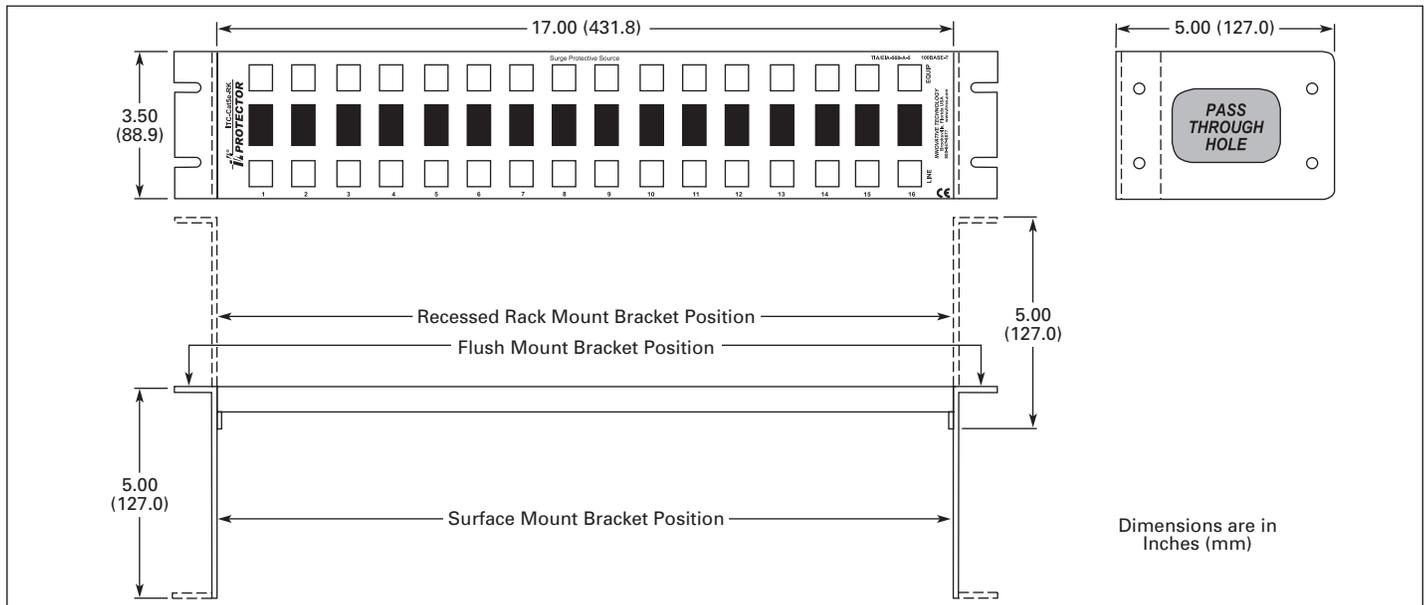
#### Optional Features and Equipment

- Spare Line Modules — Available in packets of two: Part No. 900-0001

#### Performance Data

CCITT Rec. K17  
Measured Limiting Voltage

Mode	10/700 μS Impulse 1 kV
Line-Ground	16
Line-Line	34



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