



Innovative Technology
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Submittal Spec Sheet

Eaton® Innovative Technology® ITC-ISDN Models Surge Protective Devices

Introduction

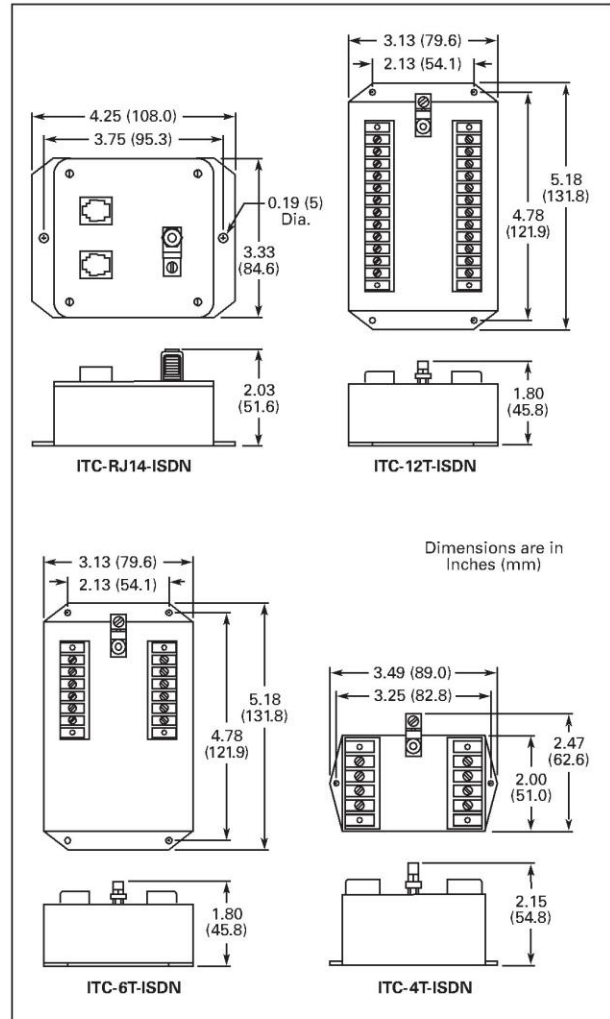
Since 1980, Eaton's Innovative Technology has provided Surge Protective Devices (SPDs) to power quality equipment users around the world. Whatever your electrical surge protection need may be, Eaton's Innovative Technology has a Surge Protective Device to fill it!

General Features

- Description — Telecommunication line transient voltage surge suppression devices
- Application — Standard 3002/C2 unconditioned voice grade lines, fax, modem and ISDN lines
- Warranty — 5-Year Free Replacement
- Manufacturer Qualifications — ISO® 9001:1994 Quality System Certification BSI FM 30833

Mechanical and Electrical Features

- Enclosure — ABS Plastic UL® 94V-0 with integral multi-point mounting feet
- Connection —
 - Lines (ITC-4T, -6T, -12T): wire clamping box terminal strips, #14 (2.5 mm²) wire max.
 - Lines (ITC-RJ14): 1-pair or 2-pair RJ11 or RJ14 modular connectors
 - Ground: 10/32 lug with wire clamping box terminal #6 – 12 AWG (16 – 4 mm²)
- Weight —
 - RJ14 ≈ 0.5 lb (0.22 kg)
 - 4T, 6T 12T ≈ 1 lb (0.45 kg)
- Protection Modes — All Modes. Normal mode: tip-ring, common mode: tip-ground and ring-ground
- Data Rate — Up to 200 kbps
- Response Time — ≤1 nanosecond
- EMI/RFI Attenuation — Up to 46 dB normal mode, up to 51 dB common mode
- Maximum Continuous Operating Voltage — 130 Vrms (183 Vpk) tip-ring, tip-ground and ring-ground
- Peak Surge Current — 30 kA per pair, 10 kA per mode
- Maximum Current —
 - RJ14: 1 Amp @ 25°C
 - 4T/6T/12T: 2.5 Amp



Performance Data

Mode	IEC 10 x 700 μS Impulse Measured Limiting Voltage *
Tip-G or L-G	300
Ring-G or L-G	300
Tip-Ring or L-L	300

*Test environment: static, positive polarity. All voltages are peak (±10%), time base = 1 ms.

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