

This over voltage protection unit is characterised by its **high level of protection**, concentrated in a **compact space**. It is suitable for installing in the narrowest of places, making it ideal for automated process industrial and building service systems.



Two Stage Protection:

- › Gas discharge tubes provide the first stage
- › Transient voltage suppressors provide the second stage

Specifications

Gas discharge tubes 8x20 μ s: 5000A. 10x1000 μ s: 10A. DC spark voltage 60~90V at 100V/s. Impulse spark over voltage <600V at 1kV/ μ s.

Transient voltage suppressors 10x1000 μ s: 600W. Response time <5ns from 0~41V. Stand off voltage 33V typical.

Operating temperature 0 to 60°C (32 to 140°F)

Storage temperature -20 to 80°C (-4 to 176°F)

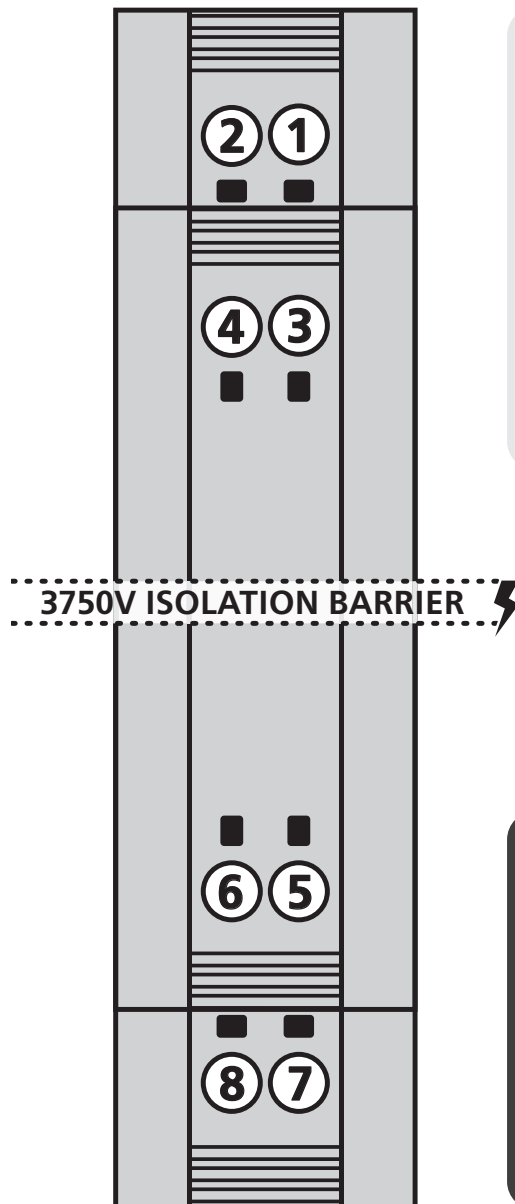
Operating humidity 5–85% RH max

EMC compliance Emissions: EN55022-A. Immunity: EN 50082-1 (<1% effect FSO typical).

Leakage current 10 μ A at 24V DC

Casing 79 x 20 x 70mm (3.11 x 0.79 x 2.76") 35mm DIN rail

Wiring



KEY

- | | |
|-----------|------------|
| ① EARTH | ⑤ - OUTPUT |
| ② EARTH | ⑥ + OUTPUT |
| ③ - INPUT | ⑦ EARTH |
| ④ + INPUT | ⑧ EARTH |

NOTE

USE INSTRUMENTATION CABLE WITH SCREEN EARTH AT ONE END ONLY

MIN 300MM DISTANCE REQUIRED BETWEEN SIGNAL AND POWER CABLES

Cables

Austral Cable B5102ES standard for 2-wire current loop

Austral Cable B5103ES standard for 3-wire transmitters & RTDs

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