

IN-777 Overload Protection Unit

Overload
Protection Unit.

Description.

The IN-777 is used extensively as a lightning protection unit. It has proved to be reliable and effective in protecting process control equipment against transients induced between the signal lines and instrument earth through lightning strikes or from other sources. The circuit design uses zener barriers, is simple but very effective and has proved reliable where other more complicated units have failed. The unit is fused with spares provided. After severe overloads the fuses need to be replaced. For maximum protection an IN-777 should be used at each end of a field cable to protect process control equipment at both ends.

Specifications.

Leakage Current	10 μ A @ 24Vdc.
Added Line Resistance	70 Ω per Line. (140 Ω (2x70 Ω) for the Loop).
Transient Cut off Voltage	39V Standard. (Ranges From 9.1~75V are Available. Please Specify if Other Than 39V is Required.)
Enclosure	IP65 Wall Mount Enclosure.
Dimensions	L=150mm, W=115mm, H=60mm.

Note 1 Each IN-777 adds a total of 140 Ω to the line resistance.

Note 2. Do not ground the Signal.

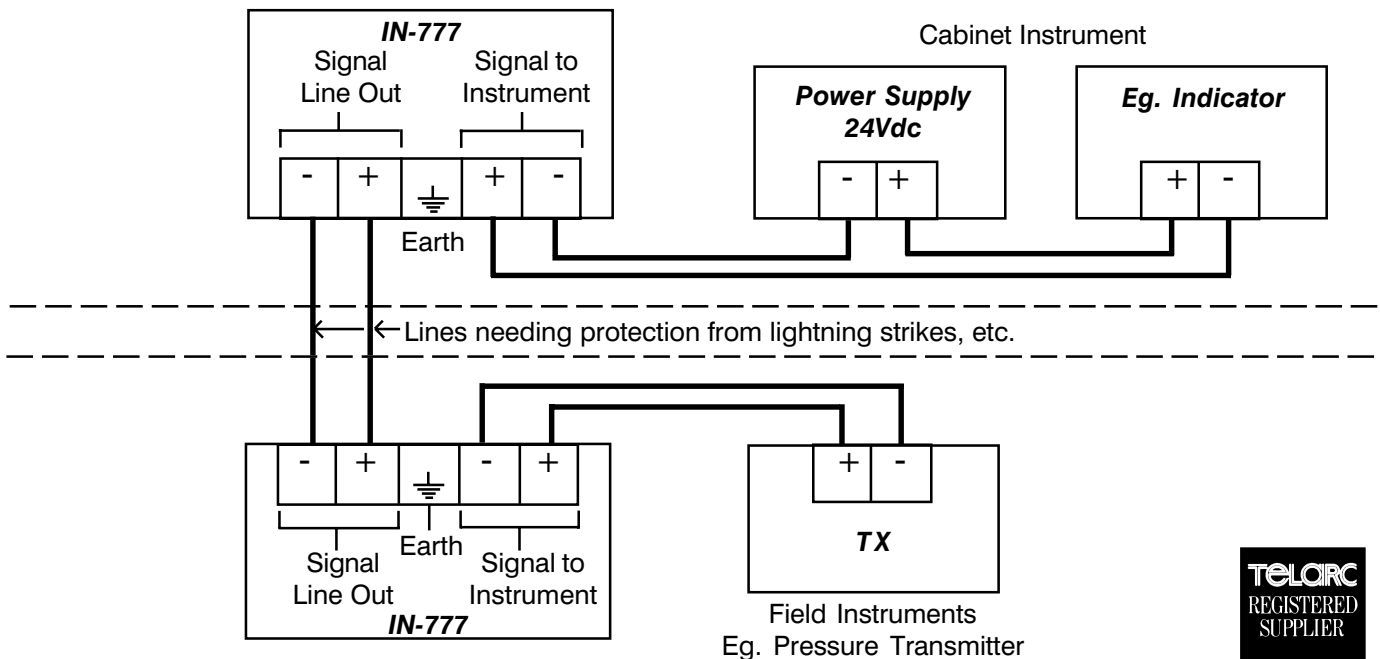
Note 3. Specifications based on Standard Calibration Unit, unless otherwise specified.

Note 4. Due to ongoing research and development, designs, specifications, and documentation are subject to change without notification.

No liability will be accepted for errors, omissions or amendments to this specification.



Example of Connection Diagram.



Quality Assurance Programme.

The modern technology and strict procedures of the ISO9001 Quality Assurance Programme applied during design, development, production and final inspection grant long term reliability of the instrument.



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