

Datasheet

Stock No: 629-522

RS Pro Signal Isolation Converter



Product Details

Signal Conditioning Units

Trip Amplifiers; single or dual trip amplifiers with the facility to arrange each trip so that the alarm condition can be above (high trip) or below (low trip) the set point and the relay can be either energise/de-energise in the alarm condition (fail-safe) or de-energise/energise in the alarm condition (non-fail safe)

Dual supply voltage operation

Bi-colour LED status indication

Front panel adjustment of "Trip Levels"

Input and output stages powered from separate secondaries of the supply transformer to provide 3-port isolation

Dual supply voltage operation

LED indication of "power on"

| Technical specification - Signal Conditioning Units | |
|---|--|
| Relay Contact Rating | 3A @ 250Vac (cos ϕ = 1) 1A @ 250Vac (cos ϕ = 1) |
| Trip Differential | 0.5% of span |

Note

Trip settings are set via links on a PCB within the unit. Signal isolators/Converters; Four units which provide signal isolation via an opto-isolated hybrid circuit. The 0-10Vdc; 4-20mA; and 4-20mA; 0-10Vdc units also convert process signals into a required standard transmission voltage or current signals

DIN Rail Mounting



Specifications

| | |
|-------------------------------|-------------------|
| Input Type | Voltage |
| Output Type | Voltage |
| Signal Conditioner Type | Filter |
| Input Range | 0 → 10 V |
| Output Range | 0 → 10 V dc |
| Supply Voltage | 24 → 230 V ac |
| Mounting Type | DIN Rail |
| Sensor Compatibility | RTD, Thermocouple |
| Minimum Operating Temperature | -20°C |
| Maximum Operating Temperature | +60°C |
| Operating Temperature Range | -20 → +60 °C |