



ENGLISH

Datasheet

Stock No: 218-4453

# RS Pro Level Trip Amplifier



## Product Details

### 24Vdc Trip Amplifiers, Signal Isolator/Converters

Symmetric DIN rail mounting units with finger protected terminals designed for use in process control and instrumentation applications. Single or dual level trip amplifiers from a single Input. Each trip can be arranged so that the alarm condition can be above (high trip) or below (low trip) the set point, and that the relay can be either normally energised to de-energise in the alarm condition (fail-safe), or normally de-energised to energise in the alarm condition (non fail-safe). signal Isolators/converter; this unit conditions the signal before sending it through an opto-isolated hybrid circuit. Input and output stages are power from separate secondaries of the dc/dc inverter to provide 3 port isolation

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 (cosØ = 1)<br>1A @ 250Vac (cosØ = 1) |
| Trip Differential                                   | 0.5% of span                                     |



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## Specifications:

|                               |                                     |
|-------------------------------|-------------------------------------|
| Input Type                    | Analogue, Potentiometer, Resistance |
| Output Type                   | Relay                               |
| Signal Conditioner Type       | Amplifier                           |
| Input Range                   | 4 → 20 mA                           |
| Supply Voltage                | 10 → 30 V dc                        |
| Mounting Type                 | DIN Rail                            |
| Sensor Compatibility          | RTD, Thermocouple                   |
| Minimum Operating Temperature | 0°C                                 |
| Maximum Operating Temperature | +50°C                               |
| Operating Temperature Range   | 0 → +50 °C                          |