

FEATURES

- Micro-compact analogue-to-analogue converter signal conditioner
- Input range of 4 → 20 mA
- Output range of 0 → 10 V
- Supply voltage of 16.8 → 30 V dc and 19.2 → 28.8 V ac
- Two-way isolation
- DIN rail mounting
- Screw termination
- Minimum operating temperature of -25°C
- Maximum operating temperature of +60°C
- Rated IP20 for basic protection against accidental finger contact
- Complies with standards CSA Certified, GL, UL Listed for usage in hazardous locations

RS PRO 4 → 20 mA Input, 0 → 10 V Output

RS Stock No.: 794-8552



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

This analogue-to-analogue signal conditioner from the RS PRO range is commonly used in industrial and automation applications. It offers an efficient way to convert DC current to voltage and voltage to current. It has an input range of 0 to 10 V and an output range of 4 to 20 mA.

The two-way isolation means that electrical noise and ground loop currents are eliminated. What's more, its sturdy construction allows this conditioner to withstand an operating temperature range of -25°C to +60°C.

General Specifications

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|--------------------------------|--|
| Module Type | Converter |
| Signal Conditioner Type | Analogue to Analogue |
| Input Type | Analogue |
| Input Range | 4mA to 20 mA |
| Output Type | Analogue |
| Output Range | 0V to 10V |
| Accuracy | 0.1 % FSR (23 °C) |
| Linearity | 0.10 % FSR (23°C) |
| Thermal Drift | <150 ppm / K FSR |
| Response Time | 30ms |
| Indication | Yellow LED |
| Over Range Protection | AC/DC 30 V |
| Special Features | Status Indicator |
| Applications | Industrial control and monitoring applications |

Electrical Specifications

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|--------------------------|----------------------------------|
| Supply Voltage | 16.8V to 30V, 19.2Vac to 28.8Vac |
| Power Consumption | 0.3W |
| Termination | Screw |
| Isolation | 3-way |

Mechanical Specifications

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|-------------------------------|-------------------------|
| Mounting Type | DIN Rail |
| Dimensions | 6.2mm x 90.0mm x 92.5mm |
| Height | 90mm |
| Width | 6.2mm |
| Depth | 92.5mm |
| Weight | 0.040 kg/piece |
| Installation Enclosure | DIN Rail enclosure |
| DIN Rail Type | Rail TS 35 |

Operation Environment Specifications

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|--------------------------------------|-----------------|
| Operating Temperature Range | -25°C to 60°C |
| Minimum Operating Temperature | -25°C |
| Maximum Operating Temperature | 60°C |
| Storage Temperature | -40 °C to 85 °C |

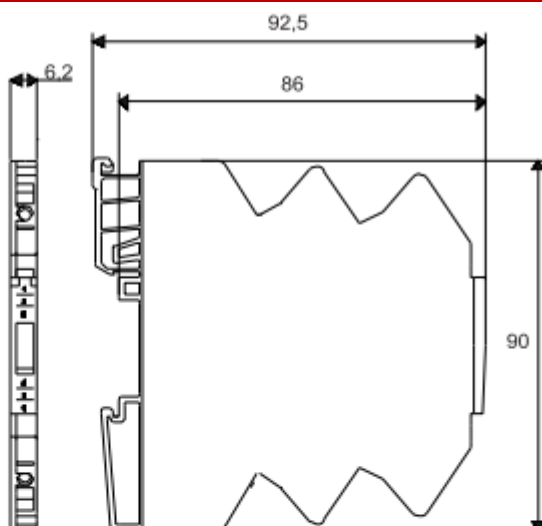
Protection Category

| | |
|------------------|------|
| IP Rating | IP20 |
|------------------|------|

Approvals

| | |
|----------------------------------|---|
| Compliance/Certifications | CSA, GL, UL |
| Standards Met | cULus, Class I, Div. 2, Groups A, B, C, D T4A |

Dimensions



PIN assignment

