

FEATURES

- Micro-compact analogue-to-analogue converter signal conditioner
- Input range of 0 → 10 V
- Output range of 4 → 20 mA
- 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 0 → 10 V Input, 4 → 20 mA Output

RS Stock No.: 794-8555



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

Module Type	Converter
Signal Conditioner Type	Analogue to Analogue
Input Type	Analogue
Input Range	0V to 10V
Output Type	Analogue
Output Range	4mA to 20 mA
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

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

Mechanical Specifications

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

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

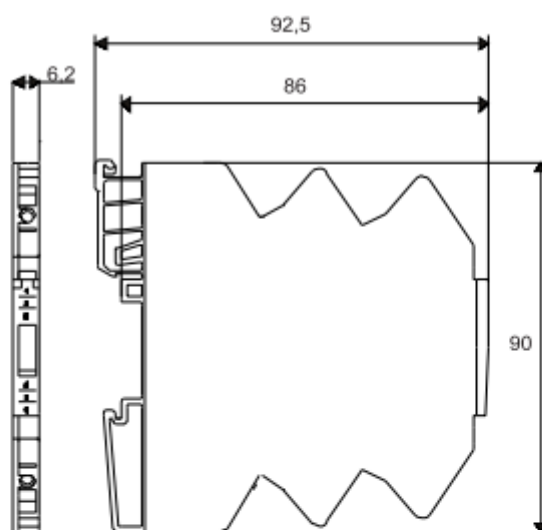
IP Rating	IP20
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Approvals

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



Dimensions



PIN assignment

