

FEATURES

- Micro-compact analogue-to-analogue converter signal conditioner
- Input range of 0 → 10 V, 0 → 20 mA, 4 → 20 mA
- Output range of 0 → 10 V, 0 → 20 mA, 4 → 20 mA
- Supply voltage of 16.8 → 264 V dc, 19.2 → 264 V ac
- DIN rail mounting
- Screw/Spring 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, 0 → 20 mA,
4 → 20 mA Input, 0 → 10 V, 0
→ 20 mA, 4 → 20 mA**

RS Stock No.: 794-8592



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's an efficient means of converting DC current to voltage and voltage to current. It has three input and three output ranges of 0 to 10 V, 0 to 20 mA and 4 to 20 mA. The conditioner's two-way isolation means any electrical noise or ground loop currents are eliminated. What's more, the sturdy construction helps it 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, 0mA to 20 mA, 4mA to 20 mA
Output Type	Analogue
Output Range	0V to 10V, 0mA to 20 mA, 4mA to 20 mA
Accuracy	0.1% FSR
Linearity	0.02%
Thermal Drift	<150ppm/K FSR
Response Time	30ms
Indication	Yellow LED
Over Range Protection	AC/DC 30 V overvoltage
Special Features	Status Indicator
Applications	Industrial control and monitoring applications

Electrical Specifications

Supply Voltage	16.8V to 264V, 19.2Vac to 264Vac
Power Consumption	0.75W
Termination	Screw/Spring
Isolation	3-way

Mechanical Specifications

Mounting Type	DIN Rail
Dimensions	17.5mm x 79mm x 84mm
Height	79mm
Width	17.5mm
Depth	84mm
Weight	0.070 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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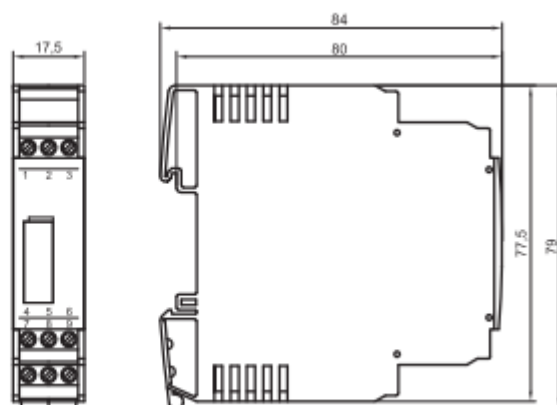
Approvals

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

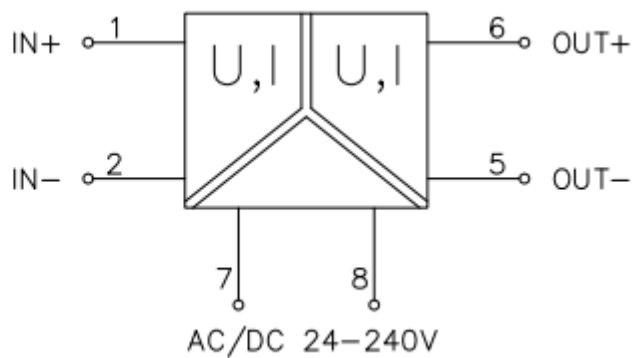




Dimensions



PIN assignment



Range adjustment

S1		
Input	Output	Pos.
0 - 20mA	0 - 10V	0
0 - 20mA	0 - 20mA	1
0 - 20mA	4 - 20mA	2
4 - 20mA	0 - 10V	3
4 - 20mA	0 - 20mA	4
4 - 20mA	4 - 20mA	5
0 - 10V	0 - 10V	6
0 - 10V	0 - 20mA	7
0 - 10V	4 - 20mA	8