

FEATURES

- Analogue-to-current signal conditioner
- Smart converter, configurable via USB interface
- Accepts inputs of -50 mA to +50 mA and -50 V to +50 V
- Minimum operating temperature of -30°C
- Maximum operating temperature of 70°C
- DIN rail mountable for easy installation
- Conforms with CE standards for health, safety and environmental protection

RS PRO -50 → +50 mA, -50 → +50 V Input, 0 → 21.5 mA, -10 → +10 V Output

RS Stock No.: 788-6996



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 smart current-output signal conditioner from RS PRO is a reliable way to isolate or convert analogue input signals to current outputs. A multi-purpose device, the converter automatically configures to AC or DC supply. Products can accept sink or source applications thanks to a transmitter power supply on both the input and output.

The conditioner's screw terminals and compatibility with DIN rail mounting make for a hassle-free installation on-site without the need for specialised tools. And as it's fitted with a USB interface, configuring the signal conditioner to your needs is quick and easy. Simply download and install free software tools for 22-segment user linearization/profiling, maths functions and input signal damping.

General Specifications

Module Type	Signal Conditioner
Signal Conditioner Type	Analogue to Current
Input Type	Analogue
Input Range	-50mA to +50mA, -50V to +50V
Output Type	Current
Output Range	0mA to 21.5mA, -10V to +10V
Interface	USB Cable
Accuracy	± 5 uA
Response Time	Start up 5 seconds, Update 300mS, Response 400mS, and Warm up 2 minutes.
Over Range Protection	Protected by internal 500mA resettable fuse
Indication	LED Green, Red (Error)
Special Features	Status Indicator
Applications	Industrial and process automation

Electrical Specifications

Supply Voltage	10Vac to 32Vac, 10Vdc to 48 Vdc
Termination	Screw
Isolation	Supply to input to output 500 V dc.

Mechanical Specifications

Mounting Type	DIN Rail
Installation Enclosure	DIN Rail enclosure offering Protection
DIN Rail Type	DIN 43880
Dimension	17.5mm x 90mm x 56.4mm
Height	90mm
Width	17.5mm
Depth	56.4mm
Weight	70g

Operation Environment Specifications

Operating Temperature Range	-30°C to 70°C
Minimum Operating Temperature	-30°C
Maximum Operating Temperature	70°C
Storage Temperature	-30°C to +70°C
Relative Humidity	10 to 90% RH non-condensing

Protection Category

IP Rating	IP65
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Approvals

Compliance/Certifications	BS EN 61326
Standards Met	CE

