

# 2 Channels, 4 thresholds, Relay EVEREST 214S



- 4 adjustable thresholds, one is available as a timer
- Adjustable hysteresis
- 24 V DC power supply to 2 sensors
- 2 Inputs 4-20 mA
- Built-in timer: 1 s up to 24 h, e.g. for venting operation on MEMPRO

## APPLICATIONS

Control device for standardized 4-20mA transmitters in industrial applications

## DESCRIPTION

The two-channel measuring amplifier EVEREST 214S is a processor-controlled display device for DIN rail mounting. It has a built-in timer; It supplies 2-wire sensors with 24 V DC voltage. It allows a simple conversion of analog signals to limit values remote controls. Free scalable inputs and relays allows a wide domain of application.

## TECHNICAL FEATURES

Main power	100 ... 240 V AC 50/60 Hz or 10 ... 30 V DC or 12 ... 24 V AC
Consumption	1 to 5 W
Measuring loops	2 Input channels, 4-20 mA (adjustable from 0 to 25 mA)
Power supply to sensors	24 V DC max. 100 mA and 5 V DC max. 100 mA
Accuracy	0.5 % ±0.5 digit
Input signal filter	Adjustable from 0.1 to 9.9 s
Hysteresis	Adjustable from 1 to 99 %
Relay outputs	250 V AC, 2 A / 30 V DC, 1 A

### Recommendation:

The contacts are not protected against overloads: Provide an external protection device.

Threshold contacts S1, S2, S3	Common shared by the 3 contacts N.O. and N.C. by setting
Relay output S4	N.O. or N.C. by setting, or As a timer: 1 s up to 24 h
Indicator	2½ digit LED 5x7 dot matrix display 4 LED = Threshold status 1 blue LED = Channel 1 1 green LED = Channel 2
Resolution	1%
Setting	Via push and rotary button
Electrical connection	Screw terminals (cable cross section Max. 1.5 mm <sup>2</sup> )

### Recommendation:

Protection against accidental contact according to DIN EN 61010-1 is only guaranteed when installed in a closed housing with at least protection class IP54.

Ambient temperature	-10 ... +45 °C
Case	DIN rail mounting 35x7.5 mm (EN 50 022), IP40 according to EN 60 529

**EC Conformity: The instrument meets the legal requirements of the current European Directives**

**BAMO** INTERNATIONAL

22, Rue de la Voie des Bans · Z.I. de la gare · 95100 ARGENTEUIL

Tel +33 (0)1 30 25 83 20 Web [www.bamo.eu](http://www.bamo.eu)

Fax +33 (0)1 34 10 16 05 E-mail [export@bamo.fr](mailto:export@bamo.fr)

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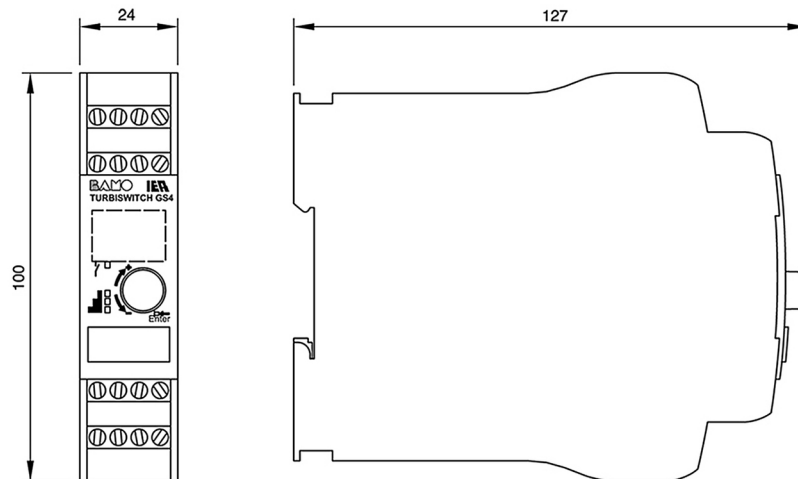
## CODE NUMBERS AND REFERENCES

Code	Reference	Description
232 116	EVEREST 214S G	100 ... 240 V AC - 50/60 Hz
232 113	EVEREST 214S D	10 ... 30 V DC and 12 ... 24 V AC

## Accessory

Code	Reference	Description
232 122	Cabinet	Wall-mounted, protection IP65

## DIMENSIONS



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