

TECHNICAL DATA

Design:

Plastic housing for switch panel mounting

Degree of Protection - front:

NEMA4 for usage in confined spaces (corresponds to degree of protection IP66)

Degree of Protection - back:

Degree of protection according to IEC standard: IP20

Clamps:

Degree of protection according to IEC standard: IP20

Dimensions:

96 x 96 x 115 mm (WxHxD)

Front panel:

92 x 92 mm (WxH)

Connection:

Screw connection.

Wire cross section max. 2.5 mm

Auxiliary voltage:

100 ... 240 Vac, -15 + 10%, 50/60 Hz

Power consumption:

Approx. 16 VA

Climate storage:

-10 ... + 70 ° C

Operation:

0 ... + 50 ° C, 5 ... 95% rel. moisture, non-condensing

Display:

Two 4-digit seven-segment displays for PV and SV

Heights of digits:

PV = 15 mm red

SV = 11mm green

Input 1:

- Thermocouple types K, J, T, E, L, U, N, R, S, B, W or PLII
- Resistance thermometer JPt 100, PT100
- Voltage input: 0 ... 5 V, 1 ... 5 V, 1 ... 10 V, ($R_i \geq 1 \text{ MOhm}$)
- Current input: 0 ... 20 mA, 4 ... 20 mA ($R_i = 150 \text{ Ohm}$)

Input 2:

Decentralized set value 4...20 mA ($R_i = 150 \text{ Ohm}$)

Controller output:

(depending on integrated module)

Relay output

(potential-free contact)

SSR output

(semiconductor relay)

Voltage output

(active, pulse, 12 Vdc or 24 Vdc [NPN] / 24 Vdc [PNP])

Current output

(continuous 4 ... 20 mA or 0 ... 20 mA)

Alarm output:

Max. 3 alarm outputs each with 11 different alarm modes (with two-point controller)

Setting:

Digital adjustment with function keys

Control behavior: ON/OFF or PID-control with auto tuning

Proportional part: 0.1 ... 999.9 %

FS Integral time: 0 ... 3999 s

Differential: 0 ... 3999 s

Other features:

- Sensor calibration
- Adjustable switching frequency (output cycle)
- Selectable output for standard and reverse operation
- Upper and lower limit for set value
- Modulating controller configurable