

EWDR 902

one stage temperature, humidity and pressure controller



Description

EWDR 902 controllers have one point of intervention and can be used to control temperature (EWDR 902/T), relative humidity (EWDR 902/R) and pressure (EWDR 902/P). Depending on models, they may have an input for thermostatic probes (PTC, Ni100, Pt100, Tc), TcK, 4...20 mA current), humidity probes (EWS 280/300/310) or pressure probes (EWPA 007/030). The values measured by the probes are displayed with three digits. These controllers are available in 4 DIN standard size with 230, 115, 24 V~ or 12 V~/- power supplies.

Analogue input	Range
PTC	-55...150
Pt100-Ni100	-100...600 / -50...650
Tc/TcK	0...600 / 0...999
EWPA 007/030	0,5...0,8 / 0...30 Bar
EWS 280/300/310	20...100/0...100/20...100 RH%

NOTE: overall range for different kinds of probes (the range may be limited with specific types of cables, tips and sensors). Special probes are available on request.

Technical Data

Casing: for 4 DIN rail mounting, 70x85 mm, plastic, ABS resin, self-extinguishing, UL94-V0.

Size: front panel 70x85 mm, depth 61 mm.

Mounting: DIN rail (Omega 3, connected to the ground) or wall-mounting.

Connections: screw terminals for 2.5 mm² leads.

Operating temperature: -5...60°C.

Storage temperature: -30...75°C.

Display: 3 digits, 12.5 mm high.

Data storage: on permanent memory (EEPROM).

Inputs (depending on model): PTC, RTD (Ni100, Pt100), Tc (J, K), current (4...20 mA; Ri = 41 Ω) for EWDR 902/T; EWS 280/300/310 for EWDR 902/R and EWPA 007/030 for EWDR 902/P.

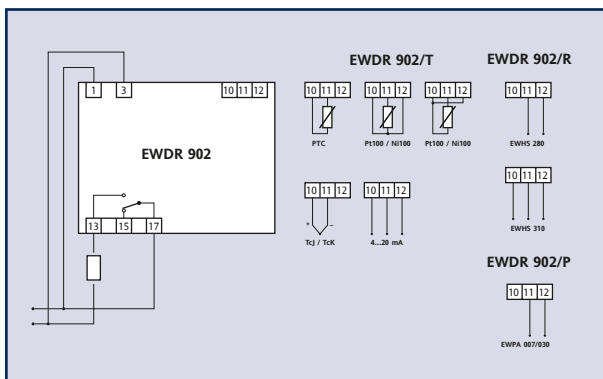
Main output: 1 output on 8(3)A 250V~ SPDT relay.

Resolution: 1°C, 0,1°C (a resolution of 5°C or 0,5°C respectively can also be set).

Accuracy: better than 0.5 % of the end of scale.

Power supply (depending on model): 230, 115, 24 V~ ±10%; 12 V~/- ±15%, 50/60 Hz.

Wiring Diagram



Description of Wiring Diagram

- 1-3 Power supply
- 10-11-12 Probe input
- 13-17 Relay N.O.
- 15-17 Relay N.C.

