EMKO

Digital PID
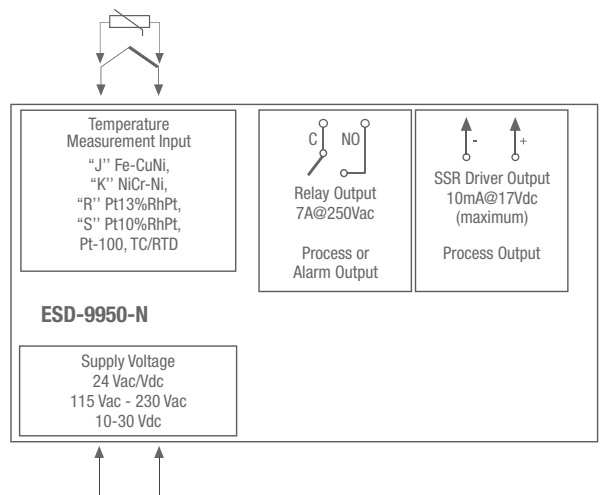Temperature Controller

Temperature Controllers

ESD-9950-N

CE

- ▶ Adjustable temperature offset
- ▶ Programmable control and alarm functions for control outputs

- ▶ Programmable ON-OFF, P, PI, PD, PID control forms
- ▶ With Auto Tune / Self Tune operation, the PID coefficients adaptation to the system

Specifications

4 Digits display
J type Thermocouple Input or
K type Thermocouple Input or
R type Thermocouple Input or
S type Thermocouple Input or
2 or 3 wire PT 100 Input

| Temperature Measurement Input "J'' Fe-CuNi, "K'' NiCr-Ni, "R'' Pt13%RhPt, "S'' Pt10%RhPt, Pt-100, TC/RTD | Relay Output 7A@250Vac Process or Alarm Output | SSR Driver Output 10mA@17Vdc (maximum) Process Output |

ESD-9950-N

Supply Voltage
24 Vac/Vdc
115 Vac - 230 Vac
10-30 Vdc

Technical Specification

Accuracy: ±25%of scale
Cold Junction Compensation: Automatically ± 0.1°C/1°C
Sensor Break Protection: Upscale
Sampling Cycle: 10 samples per second

INPUT X1 | OUTPUT X2 | ⌬+ | ⌬- | (((🔔))) | 96x96

ESD-9950-N . A . 20 . 0 . 1 / 02 . 00 / 0 . 0 . 0 . 0 . 0

ESD-9950-N (96x96x100 mm)

A	Supply Voltage
2	24Vac/dc (±%15) 50/60 Hz
3	24Vac (±%15) 50/60 Hz
4	115Vac (±%15) 50/60 Hz
5	230Vac (±%15) 50/60 Hz
8	10 - 30 Vdc

BC	Input
20	Universal Input: TC, RTD Thermocouple (TC): J, K, R, S and N(IEC584.1) (ITS90), C(ITS90) Thermoresistance (RTD): PT-100, (IEC 751) (ITS90)

Process Output **FG**
SSR Driver Output (Max. 10mA,Max.17Vdc) **02**

Process or Alarm Output **E**
Relay Output (7A @ 250Vac) (NO,NC,C) **1**