



Digital PID  
Temperature Controller



# Temperature Controllers

ESD-9950-N

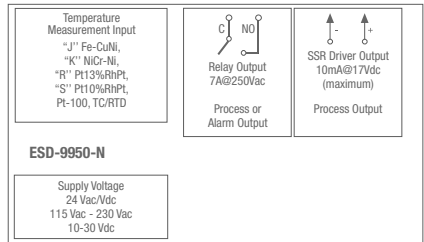


- ▶ Adjustable temperature offset
- ▶ Programmable control and alarm functions for control outputs

- ▶ 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
- K type Thermocouple Input
- R type Thermocouple Input
- S type Thermocouple Input
- 2 or 3 wire PT 100 Input



### 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



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

ESD-9950-N (66x96x100 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
- Universal Input: TC, RTD
- Thermocouple (TC): J, K, R, S and Ni(IECS84.1) (ITS90), Cu(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**