



ENGLISH

Datasheet

On/Off Temperature Controller, 96 x 96mm, J Type Thermocouple Input, 230 V ac Supply

RS Stock number [798-3457](#)

ESD-9950

Analogue Temperature Controller with digital indicator

- 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 (It must be determined in order) - ON/OFF or Time Proportional Operation - Adjustable Hysteresis Value with DIP Switch for ON/OFF Control - Adjustable Control Period with DIP Switch for ON/OFF Control - Adjustable Set Offset Value



Housing&Mounting : 96mm x 96mm x 100mm 1/4 DIN 43700 plastic housing, for panel mounting. Panel cut-out is 92x92mm

Protection Class : NEMA 4X (IP65 at front, IP20 at rear).

Weight : Approximately 0.30 Kg.

Environmental Ratings : Standard, indoor at an altitude of less than 2000 meters with none condensing humidity.

Storage/Operating Temperature : -40 C to +85 C / 0 C to +50 C

Storage/Operating Humidity : 90 % max. (None condensing)

Installation : Fixed installation

Overvoltage Category : II

Pollution Degree : II, office or workplace, none conductive pollution

Operating Conditions : Continuous

Supply Voltage and Power : 230V V (±15%) 50/60 Hz. 4VA, 115V V (±15%) 50/60 Hz. 4VA, 24V V (±15%) 50/60 Hz. 4VA

Temperature Sensor Inputs : TC, RTD

Thermocouple Input Types : J, K, R, S (IEC584.1)(ITS90)

Thermoresistance Input Type : PT-100. (IEC751)(ITS90)

Accuracy : 1% of full scale for Thermocouple and Thermoresistance

Cold Junction Compensation : Automatically ± 0.1°C/1°C.

Line Compensation : Maximum 10 W.

Sensor Break Protection : Upscale

Sampling Cycle : 3 samples per second

Resolution of Set Point : ± 0.2% of full scale

Accuracy of Set Point : ±1% of full scale

Control Forms : ON / OFF , Time Proportional

Relay Output : 5A@250V V (Electrical Life : 100.000 Operation (Full Load))

SSR Driver Output : Maximum 50mA, Maximum 18V Z

Display : 8 mm Green 4 digits LED indicator

Led Indicators : PWR (Green) , OUT (Red)