

Datasheet

PID Temperature Controller, 96 x 96mm, 230 V ac Supply Voltage, 3 Output SSR

RS Stock number [798-3472](#)



PID Temperature Controller with Universal Input (TC, RTD)

ESM-XX20 series are designed for measuring and controlling temperature values. They can be used in wide variety of applications with universal process (TC, RTD) input, control outputs and selectable alarm functions. Application Fields: Glass, Plastic Petro-Chemistry Textile, Automotive, Machine Production Industries.

Display and Front Panel

Buttons SetP, Aset and direction buttons

Led Indicators

PS (Process set value), AS (Alarm set value),

PO (Process output), AO (Alarm output),

°C and °F unit display LEDs

Process Display 19 mm Red 4 digits LED display

Set Display 10.8 mm Green 4 digits LED display

Body

Physical Features 96 mm x 96 mm 96 mm

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

Weight Approximately 0.25 Kg.

Installation Fixed Installation

Electrical Features

Supply Voltage and Power 230 V ~ (+%15) 50/60 Hz. 1.5 VA

115 V ~ (+%15) 50/60 Hz. 1.5 VA

24 V ~ (+%15) 50/60 Hz. 1.5 VA

24 Vac/dc (+%15, +%10) 50/60 Hz. 1.5 VA

Sensor Inputs

J, K, R, S, T (IEC584.1)(ITS90) Selectable from parameters

PT-100 (IEC751)(ITS90)

Accuracy \pm % 0.25 of full scale for Thermocouple and Thermoresistance

Outputs

Process Output 5A@250 V~ at resistive load

Alarm Output 5A@250 V~ at resistive load

SSR Output Maximum 20 mA@12 Vdc