

ESM-3710-N

Digital ON/OFF Temperature Control Device

Installing parameters using Prokey

Password protection for programming section

Adjustable internal buzzer according to sensor defect status

4 Digits Display

NTC Input or PTC Input or

J type thermocouple Input or Ktype

thermocouple Input or

2-Wire PT-100 Input or 2-Wire PT-1000 Input

(Must be determined in order.)

Adjustable temperature offset

ON/OFF temperature control

Selectable heating or cooling function

Remote acces, data collecting and controlling with Modbus RTU (Optional)

Share :



Features	Descriptions
Physical Features	
Dimensions	76mm x 34,5mm x 71mm
Protection Class	NEMA 4X (IP65 at front, IP20 at rear)
Installation	Fixed Installation
Storage Temperature	-30°C to +80°C
Storage / Operating Humidity	90 % max. (None condensing)
Electrical Features	
Supply Voltage and Power	24Vdc/ac (±%15) 50/60Hz - 2.5VA 24 V ac (±%15) 50/60 Hz. 2.5 VA 115 Vac (±%15) 50/60 Hz. 2.5 VA 230 Vac (±%15) 50/60 Hz. 2.5 VA 100-240Vac 50/60Hz 2.5 VA 10-30Vdc 2.5W
Sensor Inputs	NTC, PTC, TC, RTD NTC (10k @.25 °C) PTC(1000 @.25 °C) J, K (IEC584.1)(ITS90) PT-100, PT-1000 (IEC751)(ITS90)
Optional Sensor Inputs	

Scale	Fe-CuNi 0°C...800°C NiCr-Ni 0°C...999°C PT 100 -50°C...400°C / -19.9°C...99.9°C NTC -50°C...100°C PTC -50°C...150°C
Accuracy	± % 1 of full scale
Output	
Relay Output	16(8)A@250 Vac at resistive load
SSR Output	Maximum 20mA, Maximum 17Vdc
Analogue Output	
Optional Outputs	
Control	
Control Form	On/Off
Reading Frequency	3 readings per second
Communication Protocols	RS-485, Prokey Programming Module
Approvals	EAC, CE