

## ESM-3723

### Digital Temperature+Humidity Controller

#### Temperature Sensor Input

(NTC, PTC, PT-100 and ProNem Mini PMI-P)

#### Auto-Tune PID

#### Humidity Sensor Input

(0/2..10V, 0/4..20mA and ProNem Mini PMI-P)

4 Digits Temperature and 4 Digit Humidity Display

Heating Control Output, Heating Alarm Output

Humidity Control Output, Humidity Alarm Output

PID or ON/OFF selectable temperature control

Set Value Boundaries

Share :



Features	Descriptions
<b>Physical Features</b>	
<b>Dimensions</b>	76mm x 34,5mm x 71mm
<b>Protection Class</b>	NEMA 4X (IP65 at front, IP20 at rear)
<b>Installation</b>	Fixed Installation
<b>Storage / Operating Temperature</b>	-40°C with +85°C / 0°C with +50°C
<b>Storage / Operating Humidity</b>	90 % max. (None condensing)
<b>Electrical Features</b>	
<b>Supply Voltage and Power</b>	24Vdc/ac ( ±%15) 50/60Hz - 1.5VA 24 V ac (±%15) 50/60 Hz. 1.5 VA 115 Vac (±%15) 50/60 Hz. 1.5 VA 230 Vac (±%15) 50/60 Hz. 1.5 VA 100-240Vac 50/60Hz 10-30Vdc 1.5W
<b>Sensor Inputs</b>	NTC, PTC, PT-100, 0/2...10Vdc, 0/4...20mAdc veya Pronem Mini PMI-P NTC (10kohm @ 25°C) veya PTC (1000 ohm @ 25°C) PT-100 IEC751 (ITS90)
<b>Optional Sensor Inputs</b>	
<b>Scale</b>	PT 100, IEC751(ITS90) 0°C...100°C PTC 0°C...100°C NTC 0°C...100°C Pronem Midi PMI-P -20°C...80°C
<b>Accuracy</b>	± % 1 of full scale

Output	
<b>Relay Output</b>	Rezistif yükte 5 A@250 Vac at resistive load(Heating Output) Rezistif yükte 3 A@250 Vac at resistive load (Temperature Alarm, Humidity Alarm and Humidity Output)
<b>SSR Output</b>	Maximum 30mA, Maximum 15Vdc
<b>Analogue Output</b>	
<b>Optional Outputs</b>	
Control	
<b>Control Form</b>	On/Off or PID
<b>Reading Frequency</b>	3 readings per second
<b>Communication Protocols</b>	RS-485, Prokey Programming Module
<b>Approvals</b>	EAC, CE