

# TEMP. CONTROLLER - HEATING CONTROLLER



## Model : ESM 3711H

### Features

- ◆ 3 Digits Display
- ◆ PTC Input or, J Type Thermocouple Input or, K Type Thermocouple Input or, 2-wire PT-100 input (it must be determined in order)
- ◆ ON / OFF Control
- ◆ Adjustable Temperature Offset
- ◆ Set Value Boundaries
- ◆ Relay or SSR Driver Output
- ◆ Heating Function
- ◆ Adjustable Cooking Time from Front Panel
- ◆ Heating Control According to the Cooking Time
- ◆ Starting Cooking Time when Temp. reaches to the Set Value
- ◆ Temp. Control with Manual Heating Function
- ◆ Alarm Parameters
- ◆ Adjustable Internal Buzzer According to Cooking, Probe Defect & Alarm Status
- ◆ Programming Section Password Protection

### SPECIFICATIONS

<b>Display</b>	14mm Red 3 digits LED Display
<b>Device Type</b>	Heating Controller
<b>Housing &amp; Mounting</b>	77mm×35mm×62mm Panel cut-out is 71×29mm.
<b>Protection Class</b>	NEMA 4X (IP65 at front, IP20 at rear)
<b>Weight</b>	Approximately 0.20 Kg.
<b>Storage/Operating Temp.</b>	-40°C to +85°C / 0 °C to +50 °C
<b>Storage/Operating Humidity</b>	90% max. (None Condensing)
<b>Supply Voltage and Power</b>	230V ~ (±15%) 50/60 Hz. 1.5VA
<b>Temperature Sensor Inputs</b>	PTC, TC, RTD (to be mentioned while ordering)
<b>PTC Input Type</b>	PTC (100Ω @.25°C)
<b>Thermoresistance Input Type</b>	PT-100 (IEC751) (ITS90)
<b>Accuracy</b>	± 1% of full scale for thermocouple & thermoresistance
<b>Sensor Break Protection</b>	Upscale
<b>Sampling Cycle</b>	3 Samples per second
<b>Relay Output</b>	10A @ 250V ~ for resistive load (Electrical Life : 100.000 switching at full load)
<b>Optional SSR Output</b>	Maximum 20mA @ 12V ---
<b>LED</b>	SV (Green), PR (Red), Heating (Red), Output (Red) 3mm LED
<b>Internal Buzzer</b>	≥ 83dB



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