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

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