

## Specifications\_E5C4-R20K999

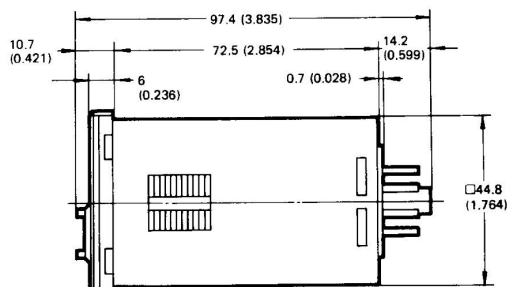
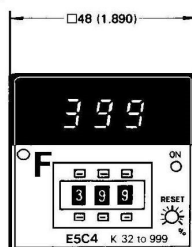
Part number			E5C4-R20K999		E5C4-□□□J	E5C4-□□□P-DIN
Sensor input types			Thermocouple type K		Thermocouple type J	Platinum RTD
Supply voltage			100/120 VAC, 50/60 Hz or 220/240 VAC, 50/60 Hz			
Operating voltage			90 to 110% of rated supply voltage			
Power consumption			Approx. 2 VA			
Control output	Number		One output, built in			
	Type	Relay	SPDT, 3 A, 250 VAC (resistive load), switching capacity of 330 VA			
		Voltage	5 VDC, 10 mA with short-circuit protection			
	Hysteresis		0.2% of full scale (fixed)			
	Service life		100,000 electrical operations minimum for relay output 10 million mechanical operations minimum for relay output			
Alarm output			Not available			
Indication accuracy			±2% maximum of full scale			
Setting accuracy			Set value coincides with the indicated value, since no relative error exists between both values			
Control modes	Type		ON/OFF (E5C4-□20□) or PD (E5C4-□40□)			
	Proportional band		3% of full scale (fixed)			
	Reset		3% minimum of full scale (variable); front panel potentiometer adjustment			
	Control period	Contact	Approx. 20 seconds, where ratio of ON to OFF is 1:1			
Voltage		Approx. 2 seconds, where ratio of ON to OFF is 1:1				
Memory protection			Not available			
Indicators			Temperature Indication (3-digit red LED), Operation Indicator (red LED)			
Materials			Plastic case			
Mounting			Fits 1/16 DIN panel cutouts; includes panel mounting adapter Y92F-30			
Connections			Terminals for standard 8-pin round connectors			
Weight			Approx. 200 g (7 oz.) including panel mounting adapter			
Enclosure ratings			Front panel IEC IP40, NEMA 4 with optional cover Y92A-48N Housing IEC IP20 Terminals IEC IP00			
Approvals	UL		Recognized, File No. E68481, approved control output rating 1.5 A, 250 VAC			
	CSA		Certified, File No. LR59623, approved control output rating 1.5 A, 250 VAC			
	Other		SEV, File No. D4.11/634			
Ambient temperature	Use		-10° to 55°C (14° to 131°F)			
	Storage		-25° to 65°C (-13° to 149°F)			
Humidity			35 to 85% RH			
Insulation resistance			20 MΩ minimum at 500 VDC			
Dielectric strength			2,000 VAC, 50/60 Hz for 1 minute			
Vibration			Mechanical durability: 10 to 55 Hz 0.75 mm (0.03 in) in X, Y, and Z directions for 2 hours each Malfunction durability: 2 to 55 Hz, 2 G, in X, Y, and Z directions for 10 minutes each			
Shock			Mechanical durability: 300 m/s <sup>2</sup> in 6 directions, 3 times each Malfunction durability: 200 m/s <sup>2</sup> in 6 directions, 3 times each			

## Dimensions

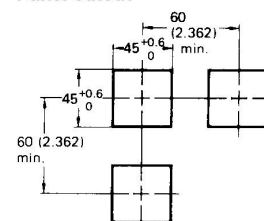
Unit: mm (inch)

### ■ TEMPERATURE CONTROLLER

E5C4



### Panel cutout



NOTE: Recommended panel thickness is 1 to 4 (0.039 to 0.157).