

Specifications

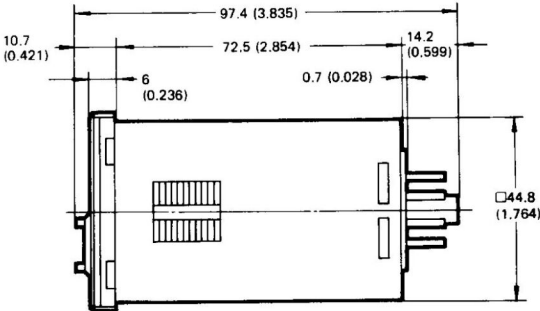
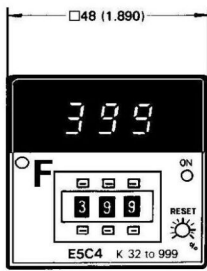
Part number			E5C4-□□□K	E5C4-□□□J	E5C4-□□□P-DIN			
Sensor input types			Thermocouple type K	Thermocouple type J	Platinum RTD			
Supply voltage			100/120 VAC, 50/60 Hz or 220/240 VAC, 50/60 Hz					
Operating voltage			90 to 110% of rated supply voltage					
Power consumption			Approx. 2 VA					
Control output	Number		One output, built in					
	Type	Relay	SPDT, 3 A, 250 VAC (resistive load), switching capacity of 330 VA					
		Voltage						
	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/s² in 6 directions, 3 times each Malfunction durability: 200 m/s² in 6 directions, 3 times each					

Dimensions

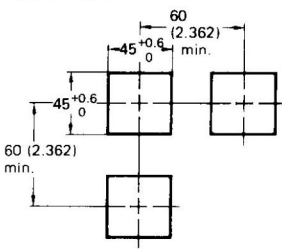
Unit: mm (inch)

■ TEMPERATURE CONTROLLER

E5C4



Panel cutout



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