

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	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	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 ² in 6 directions, 3 times each Malfunction durability: 200 m/s ² in 6 directions, 3 times each		

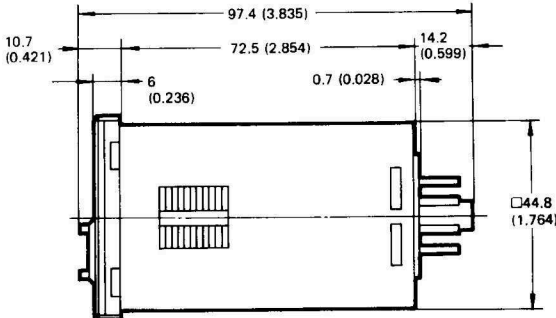
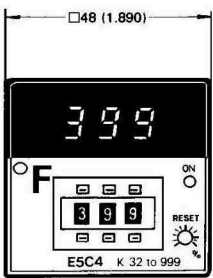
2 вида управление: ON/OFF или PD трябва да се уточни предварително

Dimensions

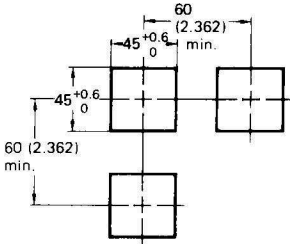
Unit: mm (inch)

■ TEMPERATURE CONTROLLER

E5C4



Panel cutout



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