Temperature Controller
E5C2

CSM_E5C2_DS_E_7_2

DIN-sized (48 x 48 mm) Temperature Controller with Analog Setting

- Compact, low-cost Temperature Controller.
- Incorporates proportional control and reset adjustment function.
- Consecutive mounting possible using mounting adapter.
- Incorporates a plug-in socket, thus allows to DIN-track and flush mounting.

⚠ Refer to *Safety Precautions for All Temperature Controllers.*

For the most recent information on models that have been certified for safety standards, refer to your OMRON website.

Model Number Structure

■ Model Number Legend

E5C2- ☐ ☐ ☐ ☐
　　　1　2　3　4　5

1. Control Outputs
　R:　Relay
2. Control Method
　20:　ON-OFF control
　40:　Proportional control

3. Input
　K:　K-type thermocouple
　J:　J-type thermocouple
　P-D:　Platinum resistance thermometer (Pt100)
　G:　Thermistor with replaceable element

Note: A functional explanation is provided here for illustration, but models are not necessarily available for all possible combinations. Refer to *Ordering Information* when ordering.
Examples
- Relay control output, ON/OFF control, type-K thermocouple input: E5C2-R20K
- Relay control output, proportional control, thermocouple input: E5C2-R40P-D

Ordering Information

■ Temperature Controllers

Setting method	Indication method	Control mode	Output		Input																				
					Thermocouple							**Resistance Thermometer**					**Thermistor**								
					K (CA) Chromel vs. alumel							**J (IC) Iron vs. constantan**			**Platinum resistance thermometer Pt100**						**Thermistor (replaceable element)**					
				Standard scale (°C)																	Themistor nominal resistance					
																					6 kΩ (0°C)	6 kΩ (0°C)	30 kΩ (0°C)	550 Ω (200°C)	4 kΩ (200°C)
									1,200								400								300
					200	300	400	600	800	1,000		200	300				200		300				150	200	
					0	0	0	0	0	0	0	0	0	0	50	80	50	100	0	0	0	50	100	0	100	150
															−50	−20					−50		50	
				Minimum scale division (°C)	5	10	10	20	20	25	25	5	10	10	2	2	1	2	5	10	10	2	2	2	2	2
Analog setting	No indication	ON/OFF	Relay	Model	E5C2-R20K							E5C2-R20J			E5C2-R20P-D							E5C2-R20G				
		Proportional (P)	Relay	Model	E5C2-R40K		---	---				---			---							---				

Note: When placing an order, specify the temperature range in addition to the model number.

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