

OMRON Controllers



OMRON E5CN SERIES: 1/16 DIN SIZE DIGITAL TEMPERATURE CONTROLLERS

Specifications:

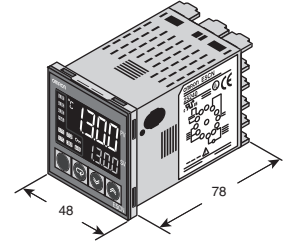
- Thermocouple input: K, J, T, E, L, U, N, R, S, B
- Platinum resistance thermometer input: Pt100 or JPt100
- Infrared temperature sensor input: 10-70°C, 60-120°C, 115-165°C, or 160-260°C
- Voltage input: 0-50mV
- Relay output: SPST-NO, 250VAC, 3A (resistive load), electrical life: 100,000 operations
- Voltage output: 12VDC ±15% (PNP), max. load current: 21mA, with short-circuit protection circuit
- Current output: 4 to 20mA DC, load: 600 W max., resolution: approx. 2,600
- Voltage output is for driving SSR

Features:

- Connect to either thermocouple or platinum resistance thermometer with the same model
- Water-resistant construction (NEMA 4X)
- Reduced panel depth of only 78mm
- 2 alarms
- 3-year warranty



RoHS Compliant



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Power Supply Voltage	Heater Burnout Alarm	Output Type	Price Each			
					1	2	5	10
653-E5CN-Q2MT-5AC1	E5CN-Q2MT-500-AC100-240	100-240VAC	No	Voltage	189.04	173.10	164.61	157.17
653-E5CN-R2MT-5AC1	E5CN-R2MT-500-AC100-240	100-240VAC	No	Relay	189.04	173.10	164.61	157.17
653-E5CN-C2MT-5AC1	E5CN-C2MT-500-AC100-240	100-240VAC	No	Current	423.00	387.75	364.25	352.50
Description					173.38	165.35	159.60	155.83
653-E58-C1FQ1	E58-C1FQ1	USB-Serial Conversion Cable For E5CN Series						

DIMENSIONS: mm

OMRON E5GN SERIES: 1/32 DIN SIZE DIGITAL TEMPERATURE CONTROLLERS

Specifications:

- Thermocouple input: K, J, T, E, L, U, N, R, S, B RTD input available upon request
- Voltage output: 12VDC +15%/20% (PNP), max. load current: 21mA, with short-circuit protection circuit
- Relay output: SPST-NO, 250VAC, 2A (resistive load), electrical life: 100,000 operations
- Voltage output is for driving SSR

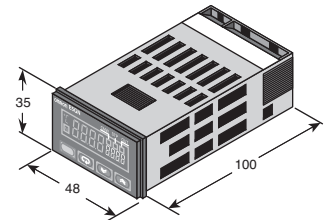
Features:

- Water-resistant construction (NEMA 4X)
- 1 alarm
- 3-year warranty



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Power Supply Voltage	Heater Burnout Alarm	Output Type	Price Each			
					1	2	5	10
653-E5GN-Q1TC-AC1	E5GN-Q1TC-AC100-240	100-240VAC	No	Voltage	223.21	204.41	194.37	185.59
653-E5GN-R1TC-AC1	E5GN-R1TC-AC100-240	100-240VAC	No	Relay	223.21	204.41	194.37	185.59



DIMENSIONS: mm

OMRON E5CSV SERIES: 1/16 DIN SIZE DIGITAL TEMPERATURE CONTROLLERS

Specifications:

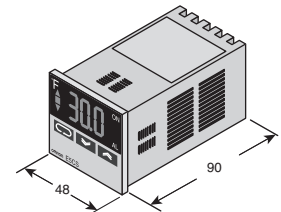
- V thermocouple input models are factory-set to switch position 2 for a temperature range of 0°C to 400°C, using a type K thermocouple
- Relay output: SPDT, 250VAC, 3A (resistive load)
- Voltage output: 12VDC, 20mA, with short-circuit protection circuit

Features:

- Accurate to ±0.5% of full scale
- 8-Function alarm
- Field selectable temperature range
- 3-year warranty
- 3 1/2 digit display for high temperature work



RoHS Compliant



DIMENSIONS: mm

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Power Supply Voltage	Number of Alarms	Input Type	Output Type	Case Color/ Display Scale	Price Each			
							1	2	5	10
653-E5CSV1K1JWAC1002	E5CSV-R1K1JW-AC100-240	100-240 VAC	1	Thermocouple	Relay	Light Gray	202.92	185.82	176.70	168.72
653-E5CSV1K1JWAC1002	E5CSV-Q1K1JW-AC100-240	100-240 VAC	1	Thermocouple	Voltage	Light Gray	267.18	244.67	232.66	222.15
653-E5CSV1TFAC100	E5CSV-R1TF-AC100-240	100-240 VAC	1	Thermocouple/platinum resistance thermometer (multi-input)	Relay	Black - Scale marked in ° F	387.13	367.78	348.42	329.06

OMRON E5C2 SERIES: 1/16 DIN SIZE ANALOG TEMPERATURE CONTROLLERS

Specifications:

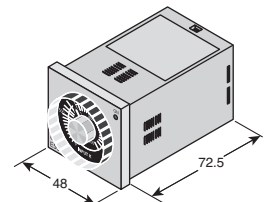
- Temperature range: 32-392° F/0-200°C. Other temperature ranges available upon request
- Thermocouple type J input Type K, platinum RTD, and thermistor input available upon request
- Relay (contact) output: SPDT, 3A, 250VAC (resistive load) Voltage output available upon request

Features:

- Fits standard 8-pin round sockets
- Front panel offset adjustment on PD controllers
- Dual scale dial



RoHS Compliant



DIMENSIONS: mm

*PD - Proportional-derivative

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Power Supply Voltage	Control Type	Output Type	Price Each			
					1	2	5	10
653-E5C2R20J	E5C2-R20J-0-200C-32-392F-AC120	110/120VAC	ON/OFF	Relay	112.14	102.69	97.65	93.24
653-E5C2R40J	E5C2-R40J-0-200C-32-392F-AC120	110/120VAC	PD*	Relay	112.14	102.69	97.65	93.24
653-E5C2R20K240	E5C2-R20K-32/1112F-AC240	220/240VAC	ON/OFF	Relay	185.24	169.62	161.30	154.01