E5_C Series Temperature Controllers

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Product Line	E5GC (1/32 DIN)	E5CC-U (1/16 DIN socket mounted)	E5DC (22.5 (w) socket mount)	E5AC (1/4 DIN), E5EC (1/8 DIN), E5CC (1/16 DIN)	E5AC-T (1/4 DIN), E5EC-T (1/8 DIN), E5CC-T (1/16 DIN)
Selling Tips	• Panel Mounted • 50 ms High Speed sampling allows more precise heater control • Removable screw or spring clamp terminal blocks (depending on model) • Parameters can be configured using CX-Thermo	• Socket mounted • 50 ms High Speed sampling allows more precise heater control • Up to eight set points can be saved and selected using event inputs • Parameters can be configured using CX-Thermo	• DIN rail mounting • 50 ms High Speed sampling allows more precise heater control • Built in "AND/OR" logic allows user to configure to their application • Parameters can be configured using CX-Thermo	• 50 ms High Speed sampling allows more precise heater control • Built in "AND/OR" logic allows user to configure to their application • Parameters can be configured using CX-Thermo	• 8 segments which can hold 32 segments (256 programs) • "Segment Jump" allows users to jump to specified segment • 50ms High Speed sampling allows more precise heater control • Built in "AND/OR" logic allows user to configure to their application • Parameters can be configured using CX-Thermo
Typical Applications	Extrusion Equipment, Blow Molding Equipment, Hot Runner Plastic Injection, Industrial Ovens/Furnaces, Textile mfg. Equipment, Food & Beverage Processing Equipment, Packaging Equipment, Boilers				
Supply Voltage	100-240 VAC, 24VAC/VDC				
Input Types	Thermocouple: K, J, T, E, L, U, N, R, S, B, W, or PL II; RTD: JPt100, Pt100; Current: 4 to 20mA or 0 to 20mA; Voltage: 1 to 5V, 0 to 5V, or 0 to 10V				
Output Types	Relay: SPST-NO (2A@ 250VAC); Voltage: 12VDC @ 20mA; Current:4 to 20 mA or 0 to 20mA	Relay: (SPST-NO, 3A @ 250 VAC); Voltage: 12VDC @ 21mA; Current: 4 to 20mA or 0 to 20mA; Linear Voltage Output: 0 to 10 VDC (Transfer Output Only)			
Control	On/Off, 2-PID (with auto-tuning)				
Event Input	1 or 2 (depends on model)	0	0 or 2 (depends on model)	E5AC & E5EC: 2,4,6 (depends on model) E5CC: 2 or 4 (depends on model)	E5AC-T & E5EC-T: 2,4,6 (depends on model * E5CC-T: 2 or 4 (depends on model)
Sampling Rate	50 ms	50 ms	50 ms	50 ms	50 ms
Display (mm)	PV: 10.5 SV: 5.0	PV: 15.2 SV: 7.1	PV: 8.5 SV: 8.0	E5AC: E5CC: PV: 15.2 SV: 7.1 E5EC: PV: 18.0 SV: 11.0	E5AC-T: PV: 18.0 SV: 11.0 MV: 7.8 E5EC-T: PV: 25.0 SV: 15.0 MV: 9.5 E5CC-T: PV: 15.2 SV: 7.1
Set-up Software (CX-Thermo)	Yes	Yes	Yes	Yes	Yes
Heater Burnout	Yes	Yes	Yes	Yes	Yes
Communications Available	RS-485, Protocol: CompoWay/F, Modbus RTU	No	RS-485, Protocol: CompoWay/F, Modbus RTU	RS-485, Protocol: CompoWay/F, Modbus RTU	RS-485, Protocol: CompoWay/F, Modbus RTU
Program Capacity (Ramp/Soak)	2 Simple Patterns	2 Simple Patterns	2 Simple Patterns	2 Simple Patterns	256 Segments (8 programs, 32 segments)
IP Rating (Front Cover)	NEMA4/IP66	NEMA 4X/IP66	NEMA1/IP20	NEMA 4X/IP66	NEMA 4X/IP66
Approvals	cULus, CE				

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Omron's E5_C Series of Temperature Controllers (E5_C, E5DC, E5_C-T and E5CC-U) are capable of providing solutions to multiple applications.

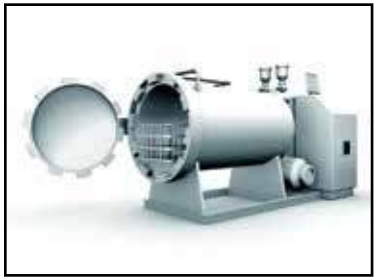
E5_C Series Temperature Controllers can be used in "On Panel" or "In Panel" applications.

Common features which are shared with these series are:

- Easy to read bright LCD display
- 50 ms sampling speed
- 60 mm (depth) short body design
- Parameters can be set using CX-Thermo software
- Acceptance of multiple inputs (Thermocouple, RTD, Linear)
- Three outputs: Relay, Voltage, Linear Current

On Panel

E5_C Series Temperature Controller and E5_C-T Ramp/Soak Temperature Controller Applications



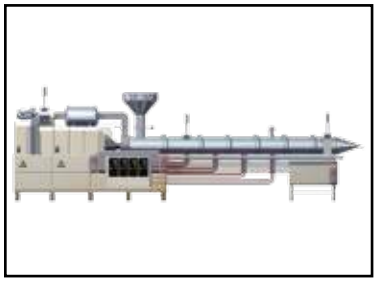
Sterilization Equipment for Food and Pharmaceuticals

Electric Furnace

Laboratory Instruments and Desktop Testing Apparatus

In Panel

E5CC-U 1/16 DIN Plug-in & E5DC 22.5 mm (width) Plug-in Applications



Plastic Injection molding

Electrical Panels

Shrink Wrapping