

- ▶ Product Category
- ▶ Control Components
 - ▶ Temperature Controllers
 - ▶ General-purpose
 - ▶ E5GC
 - ▶ E5CC, E5CC-B, E5CC-U
 - ▶ E5EC, E5EC-B
 - ▶ E5AC
 - ▶ E5DC
 - ▶ E5CC-T
 - ▶ E5EC-T
 - ▶ E5AC-T
 - ▶ E5CN-H
 - ▶ E5AN-H, E5EN-H
 - ▶ E5AR
 - ▶ E5ER
 - ▶ E5AR-T
 - ▶ E5ER-T
 - ▶ E5CS
 - ▶ E5GN
 - ▶ E5CN, E5CN-U
 - ▶ E5AN, E5EN
 - ▶ E5CN-HT
 - ▶ E5AN-HT, E5EN-HT
 - ▶ E5CSV
 - ▶ E5AC-800
 - ▶ E5CC-800, E5CC-U-800
 - E5EC-800**
 - ▶ E5JZ

Digital Temperature Controller (Simple Type) (48 × 96 mm)

E5EC-800



48 × 96 mm. Large White PV Display That's Easier to Read. Easy to Use, from Model Selection to Setup and Operation. A Complete Range of I/O Capacities, Functions, and Performance. Handles More Applications.

[▶ Stock Availability](#)

Related Contents

- ▶ [Application Solutions](#)
- ▶ [RoHS Compliant Status](#)
- ▶ [Discontinuation and Replacement](#)

- Features
- Lineup**
- Specifications
- Dimensions
- Catalog / Manual / CAD / Software

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Model Number Legend

Models with Screw Terminals

E5EC-800 48 × 96 mm

Control output 1	Control output 2	Auxiliary output	Communications	Heater burnout	Event inputs	Power supply voltage	Model			
Relay output	-	Two	-	-	-	100 to 240 VAC	E5EC-RX2ASM-800			
Voltage output	-						E5EC-QX2ASM-800			
Linear current output	-						E5EC-CX2ASM-800			
Relay output	Relay output						E5EC-RR2ASM-800			
Voltage output	Relay output						E5EC-QR2ASM-800			
Linear current output	Relay output						E5EC-CR2ASM-800			
Relay output	-					24 VAC/VDC	-	-	-	E5EC-RX2DSM-800
Voltage output	-									E5EC-QX2DSM-800
Linear current output	-									E5EC-CX2DSM-800
Relay output	Relay output									E5EC-RR2DSM-800
Voltage output	Relay output									E5EC-QR2DSM-800
Linear current output	Relay output									E5EC-CR2DSM-800
Relay output	Relay output	-	RS-485	One	Two	100 to 240 VAC	E5EC-RR2ASM-808			
Voltage output	Relay output					E5EC-QR2ASM-808				
Relay output	Relay output					24 VAC/VDC	E5EC-RR2DSM-808			
Voltage output	Relay output					E5EC-QR2DSM-808				
Relay output	Relay output					100 to 240 VAC	Four	-	-	E5EC-RR2ASM-810
Voltage output	Relay output									E5EC-QR2ASM-810
Relay output	Relay output	24 VAC/VDC	-	-	-	E5EC-RR2DSM-810				
Voltage output	Relay output					E5EC-QR2DSM-810				
Linear current output	Relay output	-	RS-485	-	Two	100 to 240 VAC	E5EC-CR2ASM-804			
Linear current output	Relay output					24 VAC/VDC	E5EC-CR2DSM-804			
Relay output (Open) *	Relay output (Close) *	Two	-	-	-	100 to 240 VAC	E5EC-PR0ASM-800			
Relay output (Open) *	Relay output (Close) *						E5EC-PR2ASM-800			
Relay output (Open) *	Relay output (Close) *						RS-485	Two	E5EC-PR2ASM-804	

* Position proportional control model.

Note: Draw-out-type models of the E5EC-800 are available. Ask your OMRON representative for details.

Heating and Cooling Control

Using Heating and Cooling Control

(1) Control Output Assignment

If there is no control output 2, an auxiliary output is used as the cooling control output.
If there is a control output 2, the two control outputs are used for heating and cooling.
(It does not matter which output is used for heating and which output is used for cooling.)

(2) Control

If PID control is used, you can set PID control separately for heating and cooling.
This allows you to handle control systems with different heating and cooling response characteristics.

Optional Products (Order Separately)

Terminal Covers

Model
E53-COV24

Waterproof Packing

Model
Y92S-P9

Note: This Waterproof Packing is provided with the Digital Temperature Controller.

Waterproof Cover

Model

Y92A-49N

Front Port Cover

Model
Y92S-P7

Note: This Front Port Cover is provided with the Digital Temperature Controller.

Mounting Adapter

Model
Y92F-51 (Two Adapters are included.)

Note: This Mounting Adapter is provided with the Digital Temperature Controller.

Current Transformers (CTs)

Hole diameter	Model
5.8 mm	E54-CT1
12.0 mm	E54-CT3

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[▲ Top of page](#)