

Product Category

Control Components

Temperature Controllers

General-purpose

E5CD / E5CD-B

E5ED / E5ED-B

E5GC

E5CC, E5CC-B, E5CC-U

E5EC, E5EC-B

E5AC

E5DC

E5CC-T

E5EC-T

E5AC-T

E5CB

E5CN-H

E5AN-H, E5EN-H

E5AR

E5ER

E5AR-T

E5ER-T

E5CS

E5CN-HT

E5AN-HT, E5EN-HT

E5CSV

Product Category

Cautions

Item A to Z Index

Applications

Correction Notice

Digital Temperature Controller (48 x 48 mm)

E5CD / E5CD-B

48 x 48 mm. Optimize Control by Detecting Status Changes. Easily Satisfy Both Productivity and Quality.



Item list of E5CD / E5CD-B

about this Product Family

Inquiry of this Product

Related Contents

Common (4) (4)

Temperature Controllers (3) (3)

Features

Lineup

Specifications

Dimensions

Catalog

last update: October 2, 2017

Model Number Legend

Models with Screw Terminal Blocks

E5CD-□□ 2 □ □ 5 M-□□□□ (Example: E5CD-RX2A6M-000)

Model	Control outputs 1 and 2	No. of auxiliary outputs	Power supply voltage	Terminal type	Input type	Options	Meaning
E5CD							48 x 48 mm
							Control output 1
							Control output 2
							Relay output
							Voltage output (for driving 20mA)
							Linear current output
							2 independent outputs
							100 to 240 VAC
							All VAC/DC
							Screw terminal block with E5S-COV203 Terminal Cover, draw-out structure
							Universal input
							HI alarm and RS alarms
							Communications
							Event inputs
							Transfer Output
#1	001	1	—	—	2	—	—
#1	002	1	—	—	2	—	—
#2	004	—	—	—	2	—	—
#2	006	—	—	—	2	—	—

#1: This option can be selected when the control output is RI or QK.
#2: This option can be selected when the control output is CK.

- Please click image to enlarge (open in a new window).
- Please click image to enlarge (open in a new window).
- Please click image to enlarge (open in a new window).

Heating and Cooling Control

Using Heating and Cooling Control

(1) Control Output Assignment
An auxiliary output is used as the cooling control output.

(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.

List of Models

Model
E5CD-RX2A6M-000
E5CD-RX2D6M-000
E5CD-RX2A6M-001
E5CD-RX2D6M-001
E5CD-RX2A6M-002
E5CD-RX2D6M-002
E5CD-QX2A6M-000
E5CD-QX2D6M-000
E5CD-QX2A6M-001
E5CD-QX2D6M-001
E5CD-QX2A6M-002
E5CD-QX2D6M-002
E5CD-CX2A6M-000
E5CD-CX2D6M-000
E5CD-CX2A6M-004

E5CD-CX2D6M-004
E5CD-CX2A6M-006
E5CD-CX2D6M-006

Model Number Legend

Models with Push-In Plus Terminal Blocks

E5CD-□□ 2 □ B M-□□□ (Example: E5CD-RX2ABM-000)

Model	Control outputs 1 and 2	No. of auxiliary outputs	Power supply voltage	Terminal type	Input type	Options	Meaning
E5CD							All - All min
							Control output 1
							Control output 2
							Relay output
							Voltage output (for driving SSR)
							Linear current output
							2 independent outputs
							100 to 240 VAC
							24 VAC/DC
							Push-In Plus terminal block
							Universal input
							HiZ alarm and RS alarm
							Communications
							Event Reports
							Transfer Output
#1	001	1	...	...	...	...	...
#1	002	1	...	...	...	...	...
#2	004	...	...	...	...	...	...
#2	008	...	...	...	...	...	...

#1: This option can be selected when the control output is RX or QX.
#2: This option can be selected when the control output is CX.

▶ Please click image to enlarge (open in a new window).

▶ Please click image to enlarge (open in a new window).

▶ Please click image to enlarge (open in a new window).

Heating and Cooling Control

Using Heating and Cooling Control

(1) Control Output Assignment

An auxiliary output is used as the cooling control output.

(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.

List of Models

Model
E5CD-RX2ABM-000
E5CD-RX2DBM-000
E5CD-RX2ABM-001
E5CD-RX2DBM-001
E5CD-RX2ABM-002
E5CD-RX2DBM-002
E5CD-QX2ABM-000
E5CD-QX2DBM-000
E5CD-QX2ABM-001
E5CD-QX2DBM-001
E5CD-QX2ABM-002
E5CD-QX2DBM-002
E5CD-CX2ABM-000
E5CD-CX2DBM-000
E5CD-CX2ABM-004
E5CD-CX2DBM-004
E5CD-CX2ABM-006
E5CD-CX2DBM-006

Optional Products (Order Separately)

USB-Serial Conversion Cable

Model
E58-CIFQ2

Terminal Covers

(Cannot be used on a Push-In Plus terminal block type)

Model
E53-COV17
E53-COV23 (3pcs) *

Note:The E53-COV10 cannot be used. Refer to Data Sheet for the mounted dimensions.
*E53-COV23 are provided with the Digital Temperature Controller.

Waterproof Packing

Model
Y92S-P8

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

Current Transformers (CTs)

Hole diameter	Model
5.8 mm	E54-CT1
5.8 mm	E54-CT1L*
12.0 mm	E54-CT3
12.0 mm	E54-CT3L*

*Lead wires are included with these CTs. If UL certification is required, use these CTs.

Adapter

Model
Y92F-45

Note:Use this Adapter when the panel has already been prepared for an E5B[] Controller.

Waterproof Cover

Model
Y92A-48N

Mounting Adapter

Model
Y92F-49

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

DIN Track Mounting Adapter

(Cannot be used on a Push-In Plus terminal block type)

Model
Y92F-52

Front Covers

Type	Model
Hard Front Cover	Y92A-48H
Soft Front Cover	Y92A-48D

Draw-out Jig

(Cannot be used on a Push-In Plus terminal block type)

Model
Y92F-58

CX-Thermo Support Software

Model

Note: CX-Thermo version 4.66 or higher is required for the E5CD.
CX-Thermo version 4.67 or higher is required for the E5CD-B.
For the system requirements for the CX-Thermo, refer to information on the EST2-2C-MV4.

last update: October 2, 2017

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