OMRON Industrial Automation



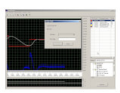
E5CC-QX3D5M-003

Temperature controller, 1/16 DIN (48x48 mm), 12 VDC pulse output, 3 AUX, RS-485, SSR failure detection/3-phase, 24 VAC/DC

Specifications

Size	1/16 DIN (48 x 48 mm)
Functions	HB/HS alarm for 1-phase heaters, Heater burnout detection, ON/OFF control, PID control
Number of control loops	1
Temperature input type	B, C (WRe5-26), E, J, JPt100, K, L, N, P (PLII), Pt100, R, S, T, U
Linear analog input type	0 to 10 V, 0 to 20 mA, 0 to 5 V, 1 to 5 V, 4 to 20 mA
Temperature range	-200-2300 °C
Number of event inputs	0
Number of alarm outputs	3
Supply voltage AC	20.4-26.4 V
Supply voltage DC	20.4-26.4 V
Control output	Voltage pulse
Communication port(s)	Serial RS-485
Terminal type	Screw

Accessories

	**E54-CT1**	Current transformer for heater burnout detection (5.8mm dia)
	**E58-CIFQ2**	E5CB & E5CC and E5EC* accessory, quick link programming cable, allows direct USB connection without requirement for communications card or power supply. Also the diplay will be powered (CX-Thermo v4.4 is needed). *For E5EC front connection.
	**EST2-2C-MV4**	CX-Thermo, direct 1 to 1 connecting software (1 to several if same TC type), for programming and monitoring E5_N (version 5 & 6), E5ZN and CelciuX (EJ1)

Downloads

CAD file



CJ-series -[RS-485 CompoWay/F]- Digital Temperature Controller (E5xD/E5xC/E5xC-T)

Connection Guide

EN PDF 3.3 MB



Digital Temperature Controllers

Brochure

EN PDF 4.45 MB



E5CC

Instruction Manual

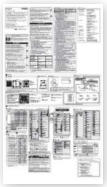
EN PDF 1.43 MB



E5CC-B

Instruction Manual

EN PDF 9.19 MB



E5CC-U

Instruction Manual

EN PDF 1.49 MB

E5CN-E5CC Conversion File

Software

EN ZIP 613 KB



E5_C

Instruction Sheet

EN PDF 478 KB



E5_C safety_precautions

Instruction Sheet

EN PDF 1.76 MB



E5_C/E5_C-T Digital Temperature Controller

Datasheet

EN PDF 41.1 MB

NJ-series -[RS-485 CompoWay/F]- E5CC/E5EC/E5AC Digital Controller

Connection Guide

EN ZIP 4.71 MB



Panel Building

Brochure

EN PDF 3.11 MB

Thermac Temperature Simulation

Software

EN ZIP 16.2 MB

TERMS OF WEBSITE USE

This PDF document was created from the European OMRON Industrial Automation website on 4 November, 2026. Click here for terms of use.