OMRON Industrial Automation



E5CD-QX2ABM-002

Temperature controller, PRO, 1/16 DIN (48 x 48 mm), 1 x 12 VDC pulse OUT, 2 AUX, RS-485, Ht. Burnout SSR fail., 100 to 240 VAC

Specifications

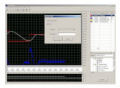
Size	1/16 DIN (48 x 48 mm)
Functions	HB/HS alarm for 1-phase heaters, Heater burnout detection, ON/OFF control, PID control
Number of control loops	1
Temperature input type	B, C (WRe5-26), E, J, JPt100, K, L, N, P (PLII), Pt100, R, S, T, U
Linear analog input type	0 to 10 V, 0 to 20 mA, 0 to 5 V, 1 to 5 V, 4 to 20 mA
Temperature range	-200-2300 °C
Number of event inputs	0
Number of alarm outputs	2
Supply voltage AC	100-240 V
Control output	Voltage pulse
Communication port(s)	Serial RS-485
Terminal type	Push-in

Fits to

E52-ETJ1-100-2-P-B
Temperature sensor, smooth tube, Thermocouple J, dia 1 mm, 100 mm, 316SS, fit new E5_D requirement

E52-ETJ1-120-2-P-A
Temperature sensor, smooth tube, Thermocouple, J, dia. 1, 120 mm, 316SS, fit new E5_D requirement

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



E5_C_D

Brochure

EN PDF 6.44 MB



E5_D

Users Manual

EN PDF 7.2 MB



E5_D

Communications Manual

EN PDF 6.09 MB



E5_D/H

Users Manual

EN PDF 6.56 MB



E5_D/H

Communications Manual

EN PDF 6.61 MB



E5_D/H Digital Temperature Controller

Datasheet

EN PDF 22.2 MB

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

Connection Guide

EN ZIP 4.71 MB



NX-HTC/NX-TC/EJ1/E5DC-B Temperature control units

Flyer

EN PDF 3.28 MB



Panel Building

Brochure

EN PDF 3.11 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.

INDUSTRIAL AUTOMATION | INDUSTRIAL.OMRON.EU