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OMRON

IA DIVISION BROADCAST

INDUSTRIAL AUTOMATION NEWS & INFORMATION

NO: **TC-007**
Date: **September 2001**

The E5EX Temperature Controllers will be Discontinued in March 2003

As of March 2003 Omron's 1/8 DIN size E5EX series will be discontinued and final orders must be placed by **February 28, 2003**. After this date production will cease and no other orders will be accepted. Factory Mutual manual-reset model with suffix "-FMF" will be discontinued one year earlier, February 28, 2002.

The E5EK series digital process controller is a highly versatile, cost-effective replacement for the E5EX. Note that product specifications and characteristics may vary between the two series so please be sure to review applications and choose accordingly.

The E5EK is the best possible solution for the E5EX temperature controller. Some of the key differences between the two series are the wiring, color of unit, exposed control panel, and panel cutout size. When assisting your customers in converting their current drawings from E5EX to the E5EK be sure to advise them that the E5EK is a more diverse product due to the abundance of output boards available.

- 12 thermocouple input types, two RTD input types and five analog current/voltage ranges
- Broader range of interchangeable output boards
- NEMA 4X-rated front panel that withstands water washdown
- Increased safety standards; conforms to CE, UL and CSA
- Available with DeviceNet communications (E5EK-T)
- More favorable pricing than E5EX and many others

Suggested Replacements

The following list shows suggested replacements for discontinued parts.

Discontinued Part #'s	Replacement Part #'s
E5EX-A	E5EK-AA2-500 & E53-3KB
E5EX-A-F	E5EK-AA2-500 & E53-AKB
E5EX-A-FMF	NO REPLACEMENT
E5EX-A-F-331	E5EK-AA2-500
E5EX-AH-F	E5EK-AA2-500 & E53-AKB
E5EX-AH02TC-F	E5EK-AA2-500 & E53-AK02
E5EX-AH03P-F	E5EK-AA2-500 & E53-AK03
E5EX-AH03TC-F	E5EK-AA2-500 & E53-AK03
E5EX-A02P-F	E5EK-AA2-500 & E53-AK02
E5EX-A02TC-F	E5EK-AA2-500 & E53-AK02
E5EX-A03P-F	E5EK-AA2-500 & E53-AK03
E5EX-A03TC-F	E5EK-AA2-500 & E53-AK03
E5EX-BAHP-F	NO REPLACEMENT
E5EX-BAHTC-F	NO REPLACEMENT

Discontinued Part #'s	Replacement Part #'s
E5EX-BAP-F	NO REPLACEMENT
E5EX-BATC-F	NO REPLACEMENT
E5EX-LA	E5EK-AA2B-500
E5EX-MA	E5EK-AA2B-500
E5EX-NA-F	E5EK-AA2-500 & E53-AKB
E5EX-PRR-F	E5EK-PRR2-500 & E53-AKB
E5EX-VAA	E5EK-AA2-500 & E53-AKB
E5EX-VAA-F	E5EK-AA2-500 & E53-AKB

Literature Support

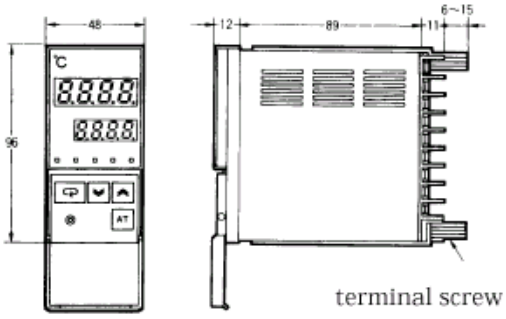
The E5EK can be found in the Process and Temperature Controller catalog (GC TC13). The E5EK data sheets are available on the Omron web site http://www/omron.com/oei.

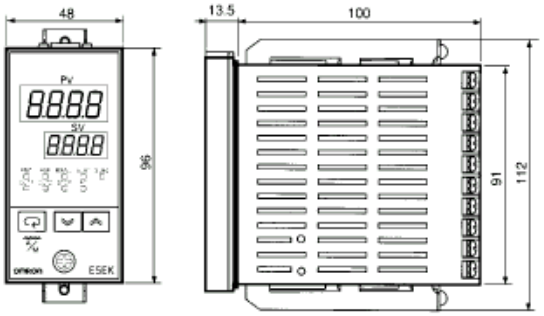
E5EX & E5EK Dimensions & Characteristics

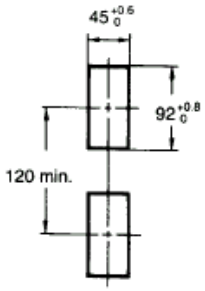
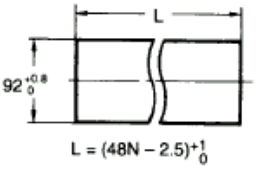
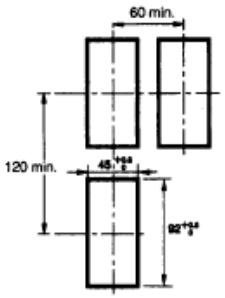
Model to be discontinued E5EX (basic type)	Recommended replacement model E5EK
Dimensions	Dimensions



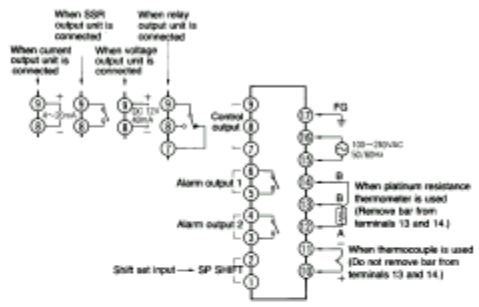
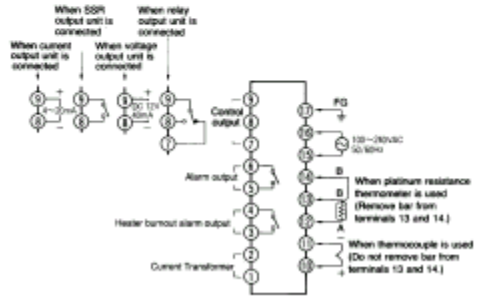
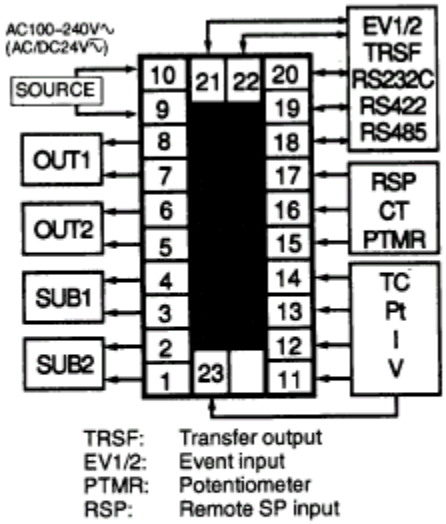






Model to be discontinued E5EX (basic type)	Recommended replacement model E5EK
Panel Cutout  **Side-by-side Mounting of N Controllers**  $L = (48N - 2.5)^{+1}_{0}$	**Panel Cutouts**  **Note:** 1. Recommended panel thickness is 1 to 8 mm. 2. Maintain the specified vertical and horizontal mounting space between each Unit. Units must not be closely mounted vertically or horizontally.

■ Internal connection/terminal arrangement/wiring/external connection

Model to be discontinued E5EX (basic type)	Recommended replacement model E5EK
Basic type  with heater burnout alarm 	 TRSF: Transfer output EV1/2: Event input PTMR: Potentiometer RSP: Remote SP input

■ Comparison of characteristics(different characteristics)

Model Item	Model to be discontinued E5EX	Recommended replacement model E5EK
Power consumption	100 to 240 V, approx. 15 VA 24 VAC, approx. 11 VA, 24 VDC, approx. 7 W	100 to 240 VAC, approx. 15 VA 24 VAC, approx. 12 VA, 24 VDC, approx. 8 W
Case color	light gray (Munsell 5Y7/1)	black (Munsell N1.5)

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