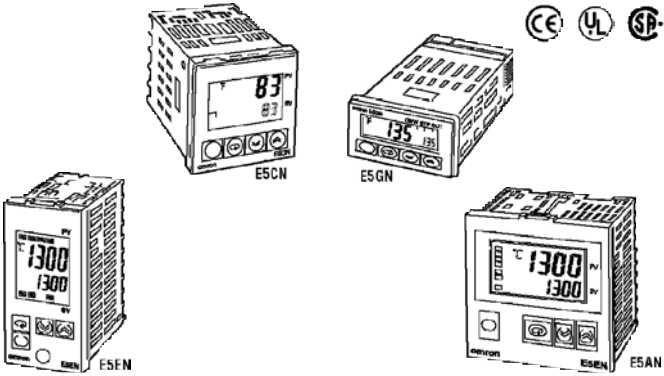


E5AN/E5EN/E5CN/E5GN Series Digital Temperature Controllers

4



E5 N Series Digital Temperature Controllers

The E5_N series temperature controllers are available in 1/4, 1/8, 1/16 and 1/32 DIN sizes. Dual display provides both process and set values. Field configurable communications and event input option boards (except E5GN), accept a variety of temperature inputs including analog, auto-tuning and self tuning available (functions can be used simultaneously). Event input allows multiple set point selection and RUN/STOP function. Heater burnout alarm available (except E5GN). Heat or heat/cool. NEMA 4X front panel. 3 year warranty. Conforms to UL, CSA, and CE. 24 VAC/VDC models available upon request.

Stock No.	Mfr.'s Type	Description	EACH
834-5556	E5AN-R3MTC-500 AC100-240	1/4 DIN, 3 alarms, relay output, ON/OFF or PID	230.00
834-5557	E5AN-Q3MTC-500 AC100-240	1/4 DIN, 3 alarms, voltage output, ON/OFF or PID	253.00
834-5558	E5EN-R3MTC-500 AC100-240	1/8 DIN, 3 alarms, relay output, ON/OFF or PID	175.00
834-5559	E5EN-Q3MTC-500 AC100-240	1/8 DIN, 3 alarms, voltage output, ON/OFF or PID	193.00
834-2042	E5CN-R2MTC-500 AC100-240	1/16 DIN, 2 alarms, relay output, ON/OFF or PID	153.00
834-2043	E5CN-Q2MTC-500 AC100-240	1/16 DIN, 2 alarms, voltage output, ON/OFF or PID	153.00
834-2050	E5GN-R1TC-500 AC100-240	1/32 DIN, 1 alarm, relay output, ON/OFF or PID	143.00
834-2051	E5GN-Q1TC-500 AC100-240	1/32 DIN, 1 alarm, voltage output, ON/OFF or PID	143.00
834-2054	E5GN-R03TC-FLK AC100-240	1/32 DIN, 1 alarm, relay output, RS485, ON/OFF or PID	145.00
834-2055	E5GN-Q03TC-FLK AC100-240	1/32 DIN, 1 alarm, voltage output, RS485, ON/OFF or PID	145.00

Option Boards

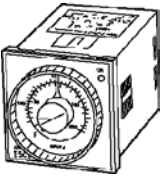
The E5_N series provides communications or event input functionality when mounted with one of the following option boards

834-5560	E53-AK01	E5AN/E5EN RS-232C communications	99.50
834-5561	E53-AK03	E5AN/E5EN RS-485 communications	99.50
834-5562	E53-AKB	E5AN/E5EN event input	68.50
834-2046	E53-CNH03	E5CN RS-485 and heater burnout alarm	64.00
834-2047	E53-CNH8	E5CN event input and heater burnout alarm	34.50

Accessories

834-2049	E54-CT1	Current transformer for heater burnout, 50 A load	21.00
834-6216	E54-CT3	Current transformer for heater burnout, 120 A load	31.50
834-2048	E53-COV10	E5CN terminal cover	4.29
834-5563	E53-COV11	E5AN/E5EN terminal cover	4.30

E5C2 Series Digital Temperature Controllers



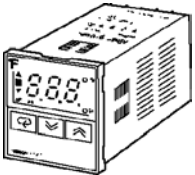
1/16 DIN analog controller with ON/OFF or PID control, contact output SPDT, 3 A, 250 VAC. Choose from J or K type thermocouple input. Uses 8-pin socket (order separately). Panel mount hardware included. UL, CSA.

Stock No.	Mfr.'s Type	Description	EACH
834-5572	E5C2-R20K-32/392F AC120	ON/OFF control, contact output, K thermocouple input	91.50
834-5573	E5C2-Q20K-32/572F AC120	ON/OFF control, voltage output, K thermocouple input	91.50
834-5574	E5C2-R20J-32/572F AC120	ON/OFF control, contact output, J thermocouple input	91.50
834-5575	E5C2-Q20J-32/572F AC120	ON/OFF control, voltage output, J thermocouple input	91.50
834-0005	P3G-08	8 pin socket, screw terminals	6.20

E5CS Series Digital Temperature Controller

NEW

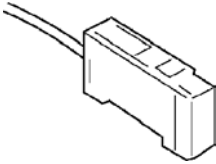
1/16 DIN digital controller with selectable ON/OFF and PID control, auto-tuning, field-selectable temperature ranges in °F and °C, 8-function alarm, accuracy to ±0.5% of full scale, non-volatile memory backup designed for monitoring and controlling heat process applications. 3 year warranty. UL, CSA, CE.



Stock No.	Mfr.'s Type	Description	EACH
834-1040	E5CS-R1KJX-F	ON/OFF and PID selectable, contact output, K and J thermocouple input	207.91
834-5576	E5CS-Q1KJX-F	ON/OFF and PID selectable, voltage output, K and J thermocouple input	211.00

E3X-A Series Fiber Optic Amplifiers

NEW



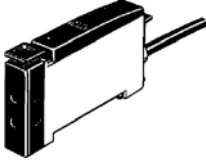
The E3X-A series general purpose fiber optic amplifier highlights self-diagnostic functions and user friendly features. 8 turn sensitivity with position indicator, slim body style for DIN rail mountability, a set-mode blinking light source which aids in alignment. Switch-selectable light-ON or dark-ON operation possible. OFF-Delay timer and self diagnostic functions featured on some models.

834-4161.	E3X-A11. NPN Output	EACH 117.09
834-1035.	E3X-A41. PNP Output	EACH 117.09
834-5564.	E3X-A21. NPN Output, Self-Diagnostic Function and OFF-Delay Timer	EACH 128.00
834-5565.	E3X-A51. PNP Output, Self-Diagnostic Function and OFF-Delay Timer	EACH 128.00

E3X-N Series

Auto-Tuning Fiber-Optic Sensor

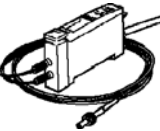
High performance DC amplifier with pushbutton sensitivity adjustment. Sensing distance is up to 100% longer than standard amplifiers. Up to 82.68" (2.1 m) with lens attachment. Four amplifiers in a single housing saves space and wiring. Compact housing. **NT:** 1.30 H × 0.39 W × 2.32" D (33 × 10 × 59). **NM:** 1.30 H × 1.27 W × 2.32" D (33 × 32.2 × 59). Four fiber-optic cables can be mounted directly next to each other without mutual interference. Fast 0.5 ms response time with switch selectable Light-ON/Dark-ON mode. 12-24 VDC supply voltage with 100 mA output. Units come pre-wired with 6.5' of cable. Units can be DIN rail or panel mounted. **Enclosure Rating:** IP50 (with cover on). All dimensions given in inches and (mm).



Stock No.	Mfr.'s Type	Output	Off Delay Timer	Remote Teach Input*	Channel	Sensing Range Thru-Beam/Diffuse	EACH
834-0335	E3X-NT11	NPN	None	None	Single	11.42" (290)/4.33" (110)	144.58
834-0336	E3X-NM11	NPN	Provided	Provided	Four	10.62" (270)/3.94" (100)	368.00

*Remote auto-sensitivity setting, self-diagnostics and operation indicators.

E3X-NH Series



E3X-NH Series high precision fiber-optic amplifier employs a 16-bit processor as an "industry first". Automatic sensitivity compensation feature allows stable detection of object in frequency changing environments Three teach modes. 8-point scaled sensitivity meter, manual fine tuning allows 13 threshold adjustments, available in NPN and PNP outputs. Models with timers also available. **Power Supply Voltage:** 12-24 VDC.

Stock No.	Mfr.'s Type	Output	Timer	EACH
834-2086	E3X-NH11	NPN	No	168.00
834-2087	E3X-NH41	PNP	No	168.00
834-2088	E3X-NH21	NPN	Yes	174.11
834-2089	E3X-NH51	PNP	Yes	168.00

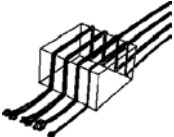
Fiber Optic Cables and Lens Kit

Plastic fibers are 6.5' long. Cutter included with cable. Diameter is given in inches and (mm). For use with E3X-N and E3X-NH Series.

Stock No.	Mfr.'s Type	Description	EACH
834-0337	E32-TC200	Thru-Beam Fiber Cable, 0.16" (4) Dia. Threaded Head	49.37
834-0338	E32-DC200	Diffuse Fiber Cable, 0.24" (6) Dia. Threaded Head	49.38
834-0339	E39-F1	Long-Range Lens Attachment for Fibers	25.96

E32 Series Multi-Core High Flex Fiber

Extensive selection of Fiber-optic sensing heads offers many unique solutions for tough problems. For custom fit, most plastic filament cables can be cut to length. Highly flexible fibers with minimum 1mm bending radius allows cables to conform to machine contours.



Stock No.	Mfr.'s Type	Sensing Method and Distance	EACH
834-2090	E32-T11R	Through-Beam, M4, 14 mm (0.55")	95.71
834-2091	E32-T21R	Through-Beam, M3, 9.5 mm (0.37")	85.00
834-5567	E32-T14L	Through-Beam, 3 mm (0.12") × 35 mm (1.38")*	80.50
834-5568	E32-T61	Through-Beam, M4, 20 mm (0.79")*	247.00
834-2092	E32-D11R	Diffuse, M6, 17 mm (0.67")	75.00
834-2093	E32-D21R	Diffuse, M3, 11 mm (0.43")	76.50
834-5569	E32-D14L	Diffuse, 6 mm (0.24")*	112.00
834-5570	E32-D32	Diffuse, 2 mm (0.08") × 29 mm (1.14")*	70.00
834-5571	E32-D24	Diffuse, Tapered Head, 2 mm (0.08")-3 mm (0.12")*	102.00

*Measured distance used in conjunction with E3X-NH, other amplifiers may differ.