

OMRON Controllers



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OMRON ZEN PROGRAMMABLE NANO CONTROLLER

Nano sized controller has the features and functions of both a programmable controller and smart relay to allow simple yet powerful control. Apply the ZEN to small-scale control applications where simple functionality and low cost are critical. Provides an economical alternative to discrete timers, counters and general-purpose relays. Control programs can be created using the 32-bit, Windows-based ZEN support software or using the operation buttons on the front panel (LCD models only). The ZEN is also flexible, with five CPU types, multiple expansion options, and a wide selection of accessories.

Specifications:

- CPUs have relay outputs
- ZEN support software runs on Windows 95, 98, 2000, ME, XP, or NT 4.0

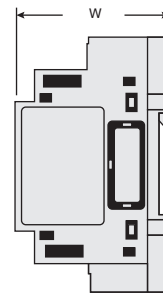
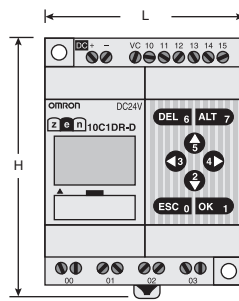
Features:

- Accurate analog inputs $\pm 1.5\%$ FS
- Wide supply voltage range of 10.8 to 28.8VDC
- Flexible mounting - either horizontal or vertical
- New CPUs with built-in RS-485 communications for data sharing
- Advanced high-value counting with 8-digit counter and 8-digit comparators, in addition to 16 standard counters
- One 150Hz high-speed counter available on models with DC power supply
- Twin-timer operation allows you to set ON and OFF times separately, greatly simplifying intermittent operation
- Password function ensures security
- Display user-set messages or analog-converted values

DIMENSIONS: mm			
	L	W	H
ZEN-10	70	56	90
ZEN-20	122.5	56	90



RoHS Compliant



CPU

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Type	No. of I/O Points	Input Voltage	No. of Inputs	No. of Outputs	LCD and Buttons	Calendar and Clock	Analog Input	Price Each			
										1	2	5	10
653-ZEN-10C1AR-A	ZEN-10C1AR-A-V2	LCD	10	100-240 VAC	6	4	Yes	Yes	No	105.03	102.31	95.48	89.70
653-ZEN-10C1DR-D2	ZEN-10C1DR-DV2	LCD	10	12-24 VDC	6	4	Yes	Yes	Yes	196.32	179.76	170.94	163.23
653-ZEN-20C1AR-A	ZEN-20C1AR-A-V2	LCD	20	100-240 VAC	12	8	Yes	Yes	No	139.50	130.20	120.90	114.40
* 653-ZEN-10C2DR-D	ZEN-10C2DR-DV2	LED w/Out Display	10	12-24 VDC	6	4	No	No	Yes	170.54	160.85	151.82	140.74
653-ZEN-20C1DR-D2	ZEN-20C1DR-D-V2	LCD	20	12-24 VDC	12	8	Yes	Yes	Yes	139.50	130.20	120.90	114.40
653-ZEN-20C2DR-D-V2	ZEN-20C2DR-D-V2	LED	20	12-24 VDC	12	8	No	No	Yes	152.60	140.00	137.34	128.62

*Programming is not possible using only the CPU in the LED-type CPU Unit. ZEN Support Software or a Memory Cassette is required.

Expansion I/O

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Input Voltage	Number of Inputs	Number of Outputs	Price Each			
					1	2	5	10
653-ZEN-8E1AR	ZEN-8E1AR	100-240VAC	4	4	65.50	62.65	58.47	54.30
653-ZEN-8E1DR	ZEN-8E1DR	12-24VDC	4	4	66.15	64.15	62.56	58.39

Supporting Materials

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	2	5	10
653-ZEN-ME01	ZEN-ME01	Memory cassette, copy program to multiple units	29.54	28.12	27.26	26.25
653-ZEN-CIF01	ZEN-CIF01	2m RS-323C Connecting cable	76.15	74.65	72.07	67.27
653-ZEN-BAT01	ZEN-BAT01	Battery unit, memory back-up	37.33	36.06	34.94	33.15
653-ZEN-SOFT01-V4	ZEN-SOFT01-V4	ZEN support software	38.86	37.66	36.54	35.75
653-ZEN-PA03024	ZEN-PA03024	Power Supply Unit - 30W, 100 to 240VAC Input, 24VDC & 1.3A Current Output	218.82	200.38	190.54	181.92

OMRON ZEN STARTER KIT

ZEN Starter Kit includes CPU (ZEN-10C1AR-A), programming cable (ZEN-CIF01), support software (ZEN-SOFT01-V.X) manuals (W385 AND W386) simulator switches (ZEN-ETL01).



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Version	Price Each
653-ZEN-STARTER01-V2	ZEN-STARTER-01-V2	AC	231.60
653-ZENSTARTER2-V2	ZEN-STARTER-02-V2	DC	296.00

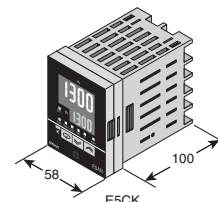
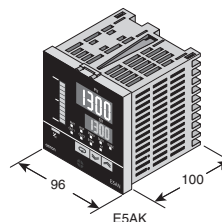
OMRON E5AK/E5CK SERIES: DIGITAL PROCESS CONTROLLERS

Specifications:

- Inputs: Thermocouple - K, J, T, E, L, U, N, R, S, B, W, PLII
Platinum resistance thermometer (RTD) - JPt100, Pt100
Current input - 4-20mA, 0-20mA
Voltage input - 1-5 V, 0-5 V, 0-10 V
- Control method: ON/OFF, Advanced PID Control (with auto-tuning) or self-tuning

Features:

- Water-resistant construction (NEMA 4X)
- Advanced PID, or fuzzy self-tuning
- Field configurable outputs, options
- Field-selectable input - RTD, thermocouple, current/voltage
- 3-year warranty



DIMENSIONS: mm

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Power Supply Voltage	DIN Size	Number/Type of Auxiliary outputs	Price Each			
					1	2	5	10
653-E5AK-AA2-500	E5AK-AA2-500	100-240VAC	1/4	2/SPST-NO 3A	455.75	448.25	433.02	425.70
653-E5CK-AA1-500	E5CK-AA1-500	100-240VAC	1/16	1/SPST-NO 1A	265.30	259.02	250.15	246.60

