

OMRON Controllers, Counters, Modules and Safety Relays

ELECTRONIC COMPONENTS

RoHS Compliant This page of product is RoHS compliant.

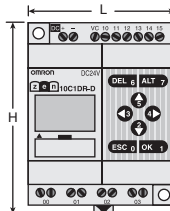
ZEN PROGRAMMABLE NANO CONTROLLERS

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. The ZEN is also flexible with five CPU types, multiple expansion options, and a wide selection of accessories.

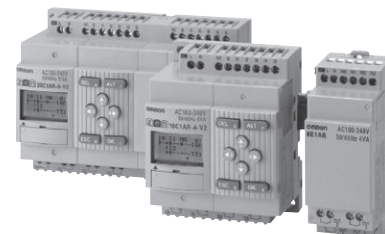


Features:

- Starter Kit: CPU Unit, Cable, Software, Manual
- For Use With/Related Products: ZEN Series
- Ingress Protection: IP20
- Mechanical Life: 10,000,000 Cycles
- Number of Inputs and Type: 4~12
- Number of Outputs and Type: 4-Relay ~ 8-Relay
- Software: ZEN-SOFT01-V4



DIMENSIONS: mm			
	L	W	H
ZEN-10	70.0	56.0	90.0
ZEN-20	122.5	56.0	90.0



Specifications:

- Accessory Type: I/O Module
- Communications: RS-485

CPU

For quantities greater than listed, 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	100-240VAC	6	4	Yes	Yes	No	145.54	140.70	137.91	129.92
653-ZEN-10C1DR-D2	ZEN-10C1DR-D-V2	LCD	10	12-24VDC	6	4	Yes	Yes	Yes	145.64	133.52	123.25	114.45
653-ZEN-20C1AR-A	ZEN-20C1AR-A-V2	LCD	20	100-240VAC	12	8	Yes	Yes	No	225.43	206.70	190.71	177.19
653-ZEN-20C1DR-D2	ZEN-20C1DR-D-V2	LCD	20	12-24VDC	12	8	Yes	Yes	Yes	225.97	220.13	214.28	205.98

Expansion I/O

For quantities greater than listed, 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-8E1DR	ZEN-8E1DR	12-24VDC	4	4	83.18	82.18	81.03	78.87
* 653-ZEN-8E1AR	ZEN-8E1AR	100-240VAC	4	4	101.44	93.01	85.82	79.68

* Cannot be connected to a CPU unit with DC power supply

Supporting Materials

For quantities greater than listed, 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	40.26	39.20	38.17	36.70
653-ZEN-CIF01	ZEN-CIF01	2m RS-323C connecting cable	106.46	103.70	100.94	97.04
653-ZEN-BAT01	ZEN-BAT01	Battery unit, memory back-up	55.67	51.04	47.12	43.74
653-ZEN-SOFT01-V4	ZEN-SOFT01-V4	ZEN support software	61.58	57.77	53.60	49.79

ZEN STARTER KIT

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each
653-ZENSTARTER2-V2	ZEN-STARTER-02-V2	CPU unit for DC (ZEN-10C1DR-D-V2), connecting cable, ZEN support software, and manual	331.00

E5CN SERIES: 1/16 DIN SIZE DIGITAL TEMPERATURE CONTROLLERS

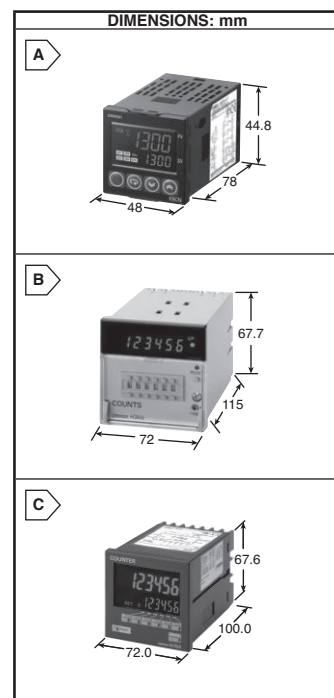
Specifications:

- Thermocouple input: K, J, T, E, L, U, N, R, S, B
- Voltage input: 0-50mV
- Relay output: SPST-NO, 250VAC, 3A (resistive load), electrical life: 100,000 operations
- Voltage output: 12VDC ±15% (PNP), max. load current: 21mA, with short-circuit protection circuit



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Power Supply Voltage	Heater Burnout Alarm	Output Type	Price Each			
						1	2	5	10
653-E5CN-Q2MT-5AC1	E5CN-Q2MT-500-AC100-240	A	100-240VAC	No	Voltage	271.41	264.41	257.42	247.45
653-E5CN-R2MT-5AC1	E5CN-R2MT-500-AC100-240	A	100-240VAC	No	Relay	222.27	215.59	209.12	202.85
653-E5CN-C2MT-5AC1	E5CN-C2MT-500-AC100-240	A	100-240VAC	No	Current	395.71	385.62	375.29	360.84
653-E5CN-R2MTD500-24	E5CN-R2MTD-500-AC/DC24	A	24VAC/VDC	No	Relay	224.39	217.62	215.04	213.42



H7AN SERIES: SOLID STATE DIGITAL COUNTERS

Specifications:

- Power supply voltage: 100-240VAC, 50/60Hz
- Control output: SPDT and solid state output
- Max. counting speed: 30Hz or 5kHz



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Counting Method	Preset	Memory Backup	Display Zone	Price Each		
							1	2	5
653-H7AN-4DM-AC1	H7AN-4DM-AC100-240	B	UP or DOWN (selectable)	Single	Provided	4-digit LED	642.78	584.47	535.71

H7BX SERIES: MULTIFUNCTION COUNTERS

Specifications:

- External power supply: 12VDC
- Input modes: Increment, decrement, command (UP/DOWN A) Individual (UP/DOWN B) Quadrature (UP/DOWN C)



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MOUSER STOCK NO.	Omron Part No.	Fig.	Supply Voltage	Output Type	Type	Price Each		
						1	2	5
653-H7BX-AWAC100240	H7BX-AW AC100240	C	100-240VAC	Contact and NPN transistor output	2-Stage	391.88	356.25	326.56