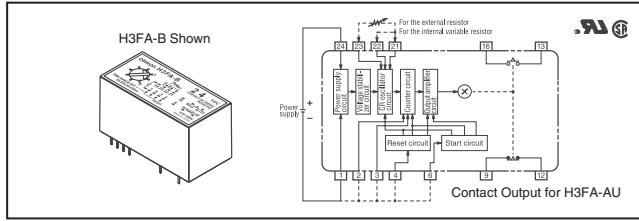




H3FA Solid State Timers

The H3FA Series is a small compact timer integrated into a PCB relay to give Delay-On or Time Limit Resetting operations. The built-in potentiometer can be used for convenience or may be used as an external potentiometer for time control and accuracy. Timers also come with a remote start pin to trigger timing operations and a reset pin once timing has expired. **Specifications:** • Control Outputs: Contact output: SPST-NO + SPST-NC, 3A at 250VAC with resistive load • Accuracy of Operating Time: ±0.5% FS max. • Reset Time: 10ms max. • Approved Safety Standards: UL508, CSA C22.2 No. 14



Description	Digi-Key Part No.	Price Each			Omron Part No.
		1	25	50	
DIP Relay Timer, 0.1 Second - 10 Minute, 24VDC	Z3010-ND	31.70	29.36	27.40	H3FA-A-DC24
DIP Relay Timer, 0.1 Second - 10 Minute, 5VDC	Z3011-ND	38.37	35.53	33.16	H3FA-AU-DC5
DIP Relay Timer, 0.1 Second - 10 Minute, 12VDC	Z3012-ND	33.37	30.90	28.84	H3FA-AU-DC12V
DIP Relay Timer, 0.1 Second - 10 Minute, 24VDC	Z3013-ND	33.37	30.90	28.84	H3FA-AU-DC24
DIP Relay Timer, 0.6 Second - 60 Minute, 12VDC	Z3014-ND	33.37	30.90	28.84	H3FA-B-DC12
DIP Relay Timer, 0.6 Second - 60 Minute, 24VDC	Z3015-ND	33.37	30.90	28.84	H3FA-B-DC24

H3RN Compact Analog Timers

Features: • Multiple operating modes, DIP switch selectable, ON-delay, interval, Repeat cycle ON-Start/OFF-Start • Standard multiple time ranges: Short range (0.15 - 10 minutes) Long range (0.1 minute - 10 hours) • Pin configuration compatible with G2R-IS

Description	Digi-Key Part No.	Price Each			Omron Part No.
		1	25	50	
Mini Delay Timer, 4 Mode, 0 - 10 Min., 24VAC	Z2397-ND	36.70	33.99	31.72	H3RN-1-AC24
Mini Delay Timer, 4 Mode, 0 - 10 Min., 24VDC	Z2398-ND	36.70	33.99	31.72	H3RN-1-DC24
Mini Delay Timer, 4 Mode, 0 - 10 Hrs., 24VDC	Z2400-ND	36.70	33.99	31.72	H3RN-11-DC24

ON-Delay H3JA Timers

Features: • DPDT contact Form • Fits standard 8-pin sockets • LED power-ON indicator • ON-delay only **Specifications:** • Supply Voltage: 100/110/120VAC • Control Output, DPDT: maximum load - 5A, 125/250VAC (resistive load), minimum load - 100mA, 5VDC • Operating Temperature: 14°F - 131°F (-10°C - 55°C) • Mechanical Service Life: 10 million operations minimum • Electrical Service Life: 100,000 operations minimum at maximum ratings

Description	Digi-Key Part No.	Price Each			Omron Part No.
		1	25	50	
Delay Timer, 120VAC, 1 - 10 Second	Z1646-ND	38.63	35.77	33.39	H3JA-8C-AC100-120 10S
Delay Timer, 120VAC, 3 - 30 Second	Z2389-ND	39.40	36.49	34.06	H3JA-8CAC100-120 30S01
Delay Timer, 120VAC, 0 - 1 Minute	Z2391-ND	39.41	36.49	34.06	H3JA-8C-AC10012060S
Delay Timer, 120VAC, 0 - 10 Minute	Z2388-ND	39.41	36.49	34.06	H3JA-8C-AC10012010M
Delay Timer, 120VAC, 0 - 60 Minute	Z2390-ND	39.41	36.49	34.06	H3JA-8C-AC10012060M
8-Pin Relay Screw Term. Sckt. for H3JA Series	Z883-ND	8.51	7.67	6.81	PG8-08
Panel Mount Adapter for H3JA Series	Z886-ND	8.10	7.29	6.48	Y92F-31
DIN-Rail Mount Socket for H3JA Series	Z2368-ND	6.76	6.26	5.84	PF085-A

• RoHS Compliant

Low Cost H3YN Timers

Features: • Improved miniature timer relay that operates in 4 selectable modes: ON-Delay, Interval, Repeat Cycle, ON-Start (selectable by dip switches) • Independent Power-On and Time-Up indicators show relay status instantly • Control Outputs: DPDT: 5A at 250VAC, resistive load, 4PDT: 3A at 250VAC, resistive load • Operating Temperature: -10°C - 50°C • Mechanical Service Life: 10,000,000 operations minimum • Electrical Service Life: DPDT: 500,000 operations minimum; 4PDT: 200,000 operations minimum For mounting socket, use Z882-ND (DPDT) or Z811-ND (4PDT)

Description	Digi-Key Part No.	Price Each			Omron Part No.
		1	25	50	
Relay Timer Analog 0 - 10 Minute DPDT	Z1134-ND	41.91	38.81	36.23	H3YN-2 AC100-120
Relay Timer Analog 0 - 10 Hours DPDT	Z1135-ND	41.91	38.81	36.23	H3YN-21 AC100-120
Relay Timer Analog 0 - 10 Minute 4PDT	Z1136-ND	41.91	38.81	36.23	H3YN-4 AC100-120
Relay Timer Analog 0 - 10 Hours 4PDT	Z1137-ND	41.91	38.81	36.23	H3YN-41 AC100-120

Solid State Timers

Series H3CA - Digital Bar Graph

Features: • A simple programmable timer to setup and read with presettable thumb wheel switches for time and mode selection. Also features a simple time-remaining LCD bar graph and LCD status indicator for easy viewing • Operations include: ON-delay, Repeat-cycle, Interval/Interval/OFF-delay, Signal-OFF delay (I and II), Interval, Cycle and Signal ON-delay/OFF-delay

Description	Digi-Key Part No.	Price Each			Omron Part No.
		1	25	50	
Timer, .1 Sec. - 9.99 Khrs., 11-Pin Octal	Z2359-ND	100.60	93.15	86.94	H3CA-A
Timer, .1 Sec. - 9.99 Khrs., 8-Pin Octal	Z2377-ND	96.41	89.27	83.32	H3CA-8-AC100/110/120
Timer, ON-Delay Only, 8-Pin Octal	Z2378-ND	96.41	89.27	83.32	H3CA-8H-AC100110120

H3CR Analog Timers

Features: • Field-selectable time ranges from 0.05 second to 300 hours • Use for delay timing, repeatable cycles or duration (interval) timing. Built-in DPDT relay switches when timing cycle is complete. • Timing Functions: ON-delay, Repeat cycle (B, B2), Signal ON/OFF delay, Signal OFF-delay, Interval **Specifications:** • Supply Voltage: 100VAC - 240VAC, or 24 - 48VAC/12 - 48DC • Operating Voltage: 85% - 110% of rated supply voltage • Control Output: Type - DPDT relay, Maximum load - 5A, 250VAC, minimum load - 10mA, 5VDC • Repeat Accuracy: ±0.3% full scale maximum, except in 1.2 range ±0.3%, ±10ms

Description	Digi-Key Part No.	Price Each			Omron Part No.
		1	25	50	
Relay Timer, 120/240VAC, 11-Pin Octal DPDT	Z876-ND	54.49	50.46		H3CRAAC100240DC100125
Relay Timer, 24VDC/AC, 11-Pin Octal DPDT	Z997-ND	54.49	50.46		H3CRAAC24-48/DC12-48
Relay Timer, 120/240VAC, 8-Pin Octal	Z2379-ND	54.49	50.46		H3CR-A8-AC100240/DC100125
Relay Timer, 24VDC/VAC, 8-Pin Octal	Z2380-ND	53.43	49.48		H3CR-A8-AC24-48/DC12-48
Relay Timer, 24 VDC/VAC, 8-Pin Octal	Z2381-ND	57.01	52.79		H3CR-A8E-AC/DC24-48
Repeat Timer, 0 - 30 Hrs., 120 - 240VAC	Z2366-ND	62.88	58.23		H3CR-F-AC100-240
Repeat Timer, 0 - 300 Hrs., 120VAC, 8-Octal	Z2384-ND	62.88	58.23		H3CR-F8-300-AC100240
Repeat Timer, 0 - 300 Hrs., 120 - 240VAC	Z2358-ND	62.88	58.23		H3CR-FN-AC100-240
Repeat Timer, 0 - 30 Hrs., 12VDC	Z2815-ND	62.88	58.23		H3CR-FB-DC12
Repeat Timer, 0 - 30 Hrs., 120VAC, 8-Octal	Z2385-ND	62.88	58.23		H3CR-F8N-AC100240
Off-Delay Timer, 0 - 12 Min., 120VAC	Z2386-ND	60.36	55.89		H3CR-H8L-AC100-120M
Off-Delay Timer, 0 - 12 Sec., 120VAC	Z2387-ND	60.36	55.89		H3CR-H8L-AC100-120S
Hard Plastic Cir. Cover for 48x48mm Timers	Z2367-ND	6.70	6.21		Y92A-48B
Soft Protective Panel Cover, For H3CR	Z2802-ND	12.37	11.46		Y92A-48F1
Socket Din Mount 11-Pin Screw Terminal	Z884-ND	11.60	10.44		Y2CF-11
Protective Panel Cover, Black, For H3CR	Z929-ND	5.35	4.96		Y92P-48GB
Chassis Mount 11-Pin Octal Socket	Z2250-ND	10.05	9.05		P3GA-11

Count Totalizer

Omron's self-powered totalizing counters feature either no-voltage inputs, DC voltage only or combined AC/DC voltage inputs. Offered in both 1kHz input for high speed, no chatter input signals or 30/20 Hz inputs for relay and switch (high chatter) inputs. **Specifications:** • Input: AC/DC voltage — 24 - 240VAC/VDC or 6 - 240VDC at "High" (logic) level • DC Voltage — 4.5 - 30VDC at "High" (logic) level • No-Voltage — Maximum short-circuit impedance: 10kΩ maximum • Reset Time: 20ms reset signal. • Instruction Sheet included • Number of digits: 8 • Display: LCD Digital, 0.2 in. high. Replaceable battery.

Type of Input	Counting Speed	Terminal Type	24VDC Backlight	Digi-Key Part No.	Price Each			Omron Part No.
					1	25	50	
No-Voltage	30/1kHz	Screw	—	Z861-ND†	47.78	44.25	41.30	H7EC-N-B
No-Voltage	1kHz	PCB Mountable	—	Z3009-ND‡	47.78	44.25	41.30	H7EC-NP
DC Voltage	30/1kHz	Screw	—	Z865-ND†	58.68	54.34	50.72	H7EC-NV-B
DC Voltage	30/1kHz	Screw	—	Z3008-ND‡	58.68	54.34	50.72	H7EC-NV
DC Voltage	30/1kHz	Screw	Yes	Z1144-ND†	58.68	54.34	50.72	H7EC-NV-BH
AC/DC Voltage	20Hz	Screw	—	Z867-ND†§	59.52	55.12	51.45	H7EC-NV-F

† Black Case ‡ Beige Case § Electrical

Time Totalizer

Omron's self-powered time totalizer displays cumulative time by counting the output signals received from a sensor. When the proper input has been applied, the timing circuit is enabled allowing the timer to start, disabling the inputs will stop the timing sequence. Key protected Switch to prevent front resetting. Replaceable battery. **Specifications:** • Supply Voltage: Not required (powered by built-in battery) • Input: AC/DC voltage — 24 - 240VAC, or 6 - 240VDC at "High" (logic) level; DC voltage — 4.5 - 30VDC at "High" (logic) level • No-Voltage — Maximum short-circuit impedance: 10kΩ maximum Short-circuit residual voltage: 0.5V maximum. • Reset Time: 20ms reset signal • Terminal: Screw type • Instruction sheet included

Type of Input	Time Range	24VDC Backlight	Digi-Key Part No.	Price Each			Omron Part No.
				1	25	50	
No-Voltage	0 - 999999.9h	—	Z3003-ND‡	58.68	54.34	50.72	H7ET-N
No-Voltage	0 - 999999.9h	—	Z870-ND†	58.68	54.34	50.72	H7ET-N-B
No-Voltage	0 - 999h59m59s	—	Z873-ND†	58.68	54.34	50.72	H7ET-N1-B
DC Voltage only	0 - 999999.9h	—	Z3004-ND‡	61.20	56.67	52.89	H7ET-NV
DC Voltage only	0 - 999999.9h	—	Z872-ND†	58.24	53.94	50.34	H7ET-NV-B
DC Voltage only	0 - 9999999.9h	Yes	Z2744-ND†	80.58	74.61	69.64	H7ET-NV-BH
DC Voltage only	0 - 999h59m59s	—	Z3005-ND‡	61.20	56.67	52.89	H7ET-NV1
DC Voltage only	0 - 9999h59.9m	—	Z1149-ND†	61.20	56.67	52.89	H7ET-NV1-B
DC Voltage only	0 - 999h59m59s	Yes	Z1150-ND†	68.54	63.47	59.24	H7ET-NV1-BH
AC/DC Voltage	0 - 999h59m59s	—	Z874-ND†	72.10	66.76	62.31	H7ET-NV11-B
AC/DC Voltage	0 - 999999.9h	—	Z875-ND†	72.10	66.76	62.31	H7ET-NV1-F

† Black Case ‡ Beige Case

Tachometer Counters

Omron's self-powered tachometers offer a large display (8.6mm) with various input types available. Selectable multiplier/divider network allows either RPM or RPS measurement. Comes with waterproofing gasket and panel mounting bracket. Screw terminal connections: 4 digits. Maximum counting speed 1kHz.

Type of Input	24VDC Backlight	Case Color	Digi-Key Part No.	Price Each			Omron Part No.
				1	25	50	
No-Voltage	—	Beige	Z3006-ND	62.88	58.23	54.35	H7ER-N
No-Voltage	—	Black	Z1145-ND	62.88	58.23	54.35	H7ER-N-B
DC Voltage	—	Black	Z1146-ND	62.88	58.23	54.35	H7ER-NV-B
DC Voltage	Yes	Black	Z1147-ND	63.90	59.17	55.22	H7ER-NV-BH
DC Voltage	—	Black	Z2742-ND	62.88	58.23	54.35	H7ER-NV1-B
DC Voltage	Yes	Black	Z2743-ND	66.92	61.97	57.84	H7ER-NV1-BH

Counter Accessories

Description	Digi-Key Part No.	Price Each			Omron Part No.
		1	25	50	
Horizontal Panel Mounting Adapter for H7 Series	Z998-ND	3.30	3.06		Y92F-75
Vertical Panel Mounting Adapter for H7 Series	Z999-ND	3.30	3.06		Y92F-76

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