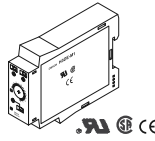




Relay Timers DIN Rail

Features:

- Slim design for track mounting
- Wide AC/DC power supply range (24 to 230VAC/DC)
- Eight operating modes (H3DE-M) and four operating modes (H3DE-S) to cover a wide range of applications
- Finger protection terminal block
- Operating Mode: A: ON-delay (Signal or Power); B: Flicker OFF start (Signal or Power); B2: Flicker ON start (Signal or Power); C: Signal ON/OFF-delay; D: Signal OFF-delay; E: Interval (Signal or Power); G: Signal ON/OFF-delay; J: One-shot (Single or Power)

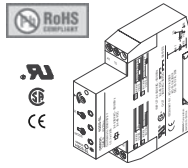


| Description | Digi-Key Part No. | Price Each | | | Omron Part No. |
|-------------------------------|-------------------|------------|-------|-------|----------------------|
| | | 1 | 25 | 50 | |
| DIN Mount Timer – 8 Mode SPDT | Z1138-ND | 42.99 | 39.81 | 37.16 | H3DE-M1 AC/DC 24-230 |
| DIN Mount Timer – 8 Mode DPDT | Z1139-ND | 52.62 | 48.72 | 45.48 | H3DE-M2 AC/DC 24-230 |
| DIN Mount Timer – 4 Mode SPDT | Z1140-ND | 32.66 | 30.24 | 28.23 | H3DE-S1 AC/DC 24-230 |
| DIN Mount Timer – 4 Mode DPDT | Z1141-ND | 42.99 | 39.81 | 37.16 | H3DE-S2 AC/DC 24-230 |

Digital Multi-Function Timer

Features:

- Wide AC/DC power supply range (24 – 230 VAC/24 – 48 VDC) minimizes inventory
- Smart Dial/Selector-Locking Mechanism prevents the dials and selectors on the timer's front panel from being operated without authorization
- Eight operating modes (H3DS-M) and four operating modes (H3DS-S) to cover a wide range of applications
- Offers wide time setting range of 0.10 second to 120 hours

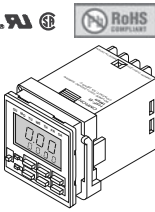


| Description | Digi-Key Part No. | Price Each | | | Omron Part No. |
|--|-------------------|------------|-------|-------|--------------------------|
| | | 1 | 25 | 50 | |
| DIN Mount Timer – On-Delay Only, No Enable Input, SPDT | Z2392-ND | 30.78 | 28.50 | 26.60 | H3DS-AL AC24-230/DC24-48 |
| DIN Mount Timer – 4 Mode, No Enable Input, SPDT | Z2395-ND | 32.66 | 30.24 | 28.23 | H3DS-SL AC24-230/DC24-48 |
| DIN Mount Timer – 8 Mode, with Voltage Input, SPDT | Z2393-ND | 42.99 | 39.81 | 37.16 | H3DS-ML AC24-230/DC24-48 |
| DIN Mount Twin Timer – Indep. "On-Off" Settings, SPDT | Z2394-ND | 50.74 | 46.98 | 43.85 | H3DS-FL AC24-230/DC24-48 |

Digital Daily Timer

- Precise control of both regular and special ON/OFF times.
- Can be set for timed or pulsed operation, and for multiple-day operation

- Operation: 1. Daily operation (Multiple-day operation possible)
- 2. Pulse-output operation (pulse width can be set in units of 1 second from 1 – 59 seconds and in units of 1 minute from 1 – 60 minutes)
- 3. Partial operation on specified day
- 4. Forced ON/OFF operation
- Repeat accuracy: ±0.01%
- Memory protection: 5 years minimum
- Life expectancy: 50,000 operations minimum (15A, 250VAC, resistive load)
- Operating Temperature: -10°C – 55°C



| Description | Digi-Key Part No. | Price Each | | | Omron Part No. |
|----------------------------------|-------------------|------------|--------|----|----------------|
| | | 1 | 25 | 50 | |
| Digital Daily Timer, Panel Mount | Z1142-ND | 156.91 | 145.29 | | H5F-B |
| Digital Daily Timer, Track Mount | Z2440-ND | 163.49 | 151.38 | | H5F-KB |

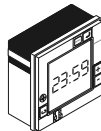
Programmable Weekly Timer

Features:

- Large LCD display with 7 day x 24 hour programming
- Perfect for controlling On-Off cycles for lighting, industrial and security
- Two independent 15A control circuits and 16 step front program options allows fast and easy program changes
- Wire connections are made by screw terminals from either the front or the back

Specifications:

- Timer may be wall mounted, recessed into panel or din rail mounted
- All mounting hardware and instructions are included
- Optional protective hard plastic cover prevents accidental resetting and protects from dirt and water



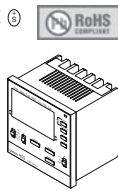
| Description | Digi-Key Part No. | Price Each | | | Omron Part No. |
|---|-------------------|------------|--------|----|----------------|
| | | 1 | 25 | 50 | |
| Programmable Timer 100 – 240VAC w/Manual Override Clear Protective Cover (Hard Plastic) for H5L-A | Z1000-ND | 187.92 | 174.00 | | H5L-A |
| | Z1001-ND | 10.25 | 9.17 | | 00-907062-002 |

◆ RoHS Compliant

Programmable Weekly Timer

- AM/PM display
- Field-adjustable ON/OFF, cycle, and pulse output
- A different program possible each day
- Wide supply voltage range
- Independent Day Keys provide easier operation
- Temporary holiday setting function makes it easy to turn OFF output for holidays and non-operating days
- Settings can be made even with the Time Switch turned off
- Test mode enables easy program checking

- Supply Voltage: AC 100 – 240V
- Long-term Error: ±15 seconds per month
- Maximum Load: 15A, 250VAC resistive load
- Connections: Terminal screws
- Minimum Load: 100mA, 5VDC
- Operating Temperature: -10°C – 55°C
- 50,000 operations minimum, 15A, 250VAC, resistive load

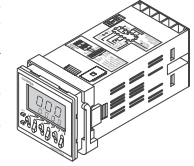


| Description | Digi-Key Part No. | Price Each | | | Omron Part No. |
|--|-------------------|------------|--------|----|----------------|
| | | 1 | 25 | 50 | |
| Weekly Timer, Track/Chassis Mount Type, 120VAC | Z2503-ND | 225.34 | 208.65 | | H5S-WFB2 |
| Weekly Timer, Flush Panel Mount Type, 120VAC | Z2504-ND | 225.34 | 208.65 | | H5S-WB2 |

Preset Counters



Omron's multifunction counters feature large reverse-lit LCD which can be programmed to change from green to red (or red to green), providing long-range status information. H7CX counters allow users to choose between batch counter, dual counter, single or dual stage preset counter, tachometer or totalizer operation.



- Highly visible display with backlight negative transmissive LCD
- NEMA4/ IP66 compliance
- 1-2 Stage Counter
- Case Color: Black
- Reset Indicator: Orange
- Key Protection Indicator: Orange
- 12VDC External Power Supply
- Output Type: Contact
- Supply Voltage: 100 – 240VAC

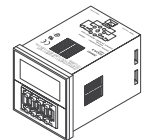
| Description | Digi-Key Part No. | Price Each | | | Omron Part No. |
|---|-------------------|------------|--------|----|-------------------------|
| | | 1 | 25 | 50 | |
| 4 Digit Counter, Relay Out, Screw Term., 12 – 24VAC | Z2739-ND | 144.17 | 133.49 | | H7CX-A4D DC12-24 |
| 6 Digit Counter, Relay Out, 11 Octal, 100 – 240VAC | Z1662-ND | 165.37 | 153.12 | | H7CX-A11-AC100-240 |
| 6 Digit Counter, Relay Out, 11 Octal, 12 – 24VAC | Z2738-ND | 176.20 | 163.16 | | H7CX-A11D1 DC12-24/AC24 |
| 6 Digit Counter, Relay Out, Screw Term., 12 – 24VAC | Z2365-ND | 135.30 | 125.28 | | H7CX-A DC12-24 |
| 6 Digit Counter, Relay Out, Screw Term., 100 – 240VAC | Z1661-ND | 156.91 | 145.29 | | H7CX-A-AC100-240 |
| 4 Digit Counter, Relay Out, Screw Term., 100 – 240VAC | Z2375-ND | 160.67 | 148.77 | | H7CX-A114 AC100-240 |
| 4 Digit Counter, Relay Out, Screw Term., 100 – 240VAC | Z2376-ND | 156.91 | 145.29 | | H7CX-A4-AC100-240 |
| 6 Digit Counter, Relay Out, Screw Term., 100 – 240VAC | Z2374-ND | 156.91 | 145.29 | | H7CX-AS-AC100-240 |
| 6 Digit Counter, Relay Out, Screw Term., 12 – 24VAC, 2 Stage Type | Z2741-ND | 213.84 | 198.00 | | H7CX-AW01 DC12-24/AC24 |
| 6 Digit Counter, Relay Out, Screw Term., 100 – 240VAC, 2 Stage Type | Z2740-ND | 213.84 | 198.00 | | H7CX-AW AC100-240 |

Preset Digital Counters



Features:

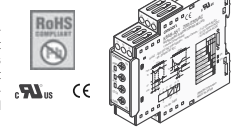
- Easy-to-read 8mm high LED display
- Uses Omron thumbwheel switching for easy, error-free presets



| Description | Digi-Key Part No. | Price Each | | | Omron Part No. |
|--|-------------------|------------|--------|----|--------------------|
| | | 1 | 25 | 50 | |
| 4 Digit, Up Counter, 5kHz, Input, 100 – 240VAC | Z2736-ND | 238.14 | 220.50 | | H7CN-XHN-AC100-240 |
| 4 Digit, Up Counter, 30Hz, Input, 100 – 240VAC | Z2737-ND | 226.26 | 209.51 | | H7CN-XLN-AC100240 |
| 4 Digit, Reversible Counter, 30Hz, Input, 100 – 240VAC | Z2735-ND | 238.14 | 220.50 | | H7CN-BLN-AC100240 |

NEW! Monitoring Control Relays

Omron's K8 series of Monitoring Relays are designed for industrial measurements, controls and fault detection. The K8AB-AS are single phase, current monitoring relays to monitor both under-current or over current conditions. The K8AB-PH is a 3 Phase, phase-loss monitoring relay for preventing incorrect motor rotation and incorrect wiring. The K8AB-TH are temperature monitoring relays for detecting upper and lower temperature limits. Selectable for J, K, T, E and Platinum Sensor Inputs.

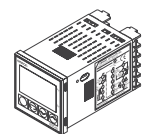


| Description | Digi-Key Part No. | Price Each | | | Omron Part No. |
|--|-------------------|------------|--------|--------|----------------------|
| | | 1 | 25 | 50 | |
| Current Monitor, Over-Under, 2 – 500mA | Z2803-ND | 106.92 | 99.00 | 92.40 | K8AB-AS1-100-115VAC |
| Current Monitor, Over-Under, 2 – 500mA | Z2804-ND | 99.14 | 91.80 | 85.68 | K8AB-AS1-200-230VAC |
| Current Monitor, 0.1 – 8A, Over-Under | Z2805-ND | 131.22 | 121.50 | 113.40 | K8AB-AS2-100-115VAC |
| Single Phase Monitor, 3PH, 200 – 500VAC | Z2806-ND | 39.85 | 36.90 | 34.44 | K8AB-PH1 |
| 3 Phase Monitor, 3PH, 380 – 480VAC | Z2807-ND | 89.42 | 82.80 | 77.28 | K8A-BPW2 |
| Temp. Monitor, 0 – 399°C/F, 100 – 240VAC | Z2808-ND | 92.34 | 85.50 | 79.80 | K8AB-TH11S-AC100-240 |
| Temp. Monitor, 0 – 399°C/F, 24V | Z2809-ND | 92.34 | 85.50 | 79.80 | K8AB-TH11S-ACDC24 |
| Temp. Monitor, 0 – 1700°C, 100 – 240VAC | Z2810-ND | 92.34 | 85.50 | 79.80 | K8AB-TH12S-AC100-240 |
| Temp. Monitor, 0 – 1700°C, 24V | Z2811-ND | 92.34 | 85.50 | 79.80 | K8AB-TH12S-ACDC24 |

Digital Temperature Controllers



- Voltage outputs (used to drive SSRs) for both heating and cooling control
- Can be used for alarms to provide three alarm outputs
- Easy setting with 11-segment displays
- Connect to either a thermocouple or platinum resistance thermometer with the protection indicator informs operator when protection is enabled
- Manual output provided

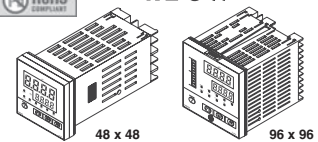


| Description | Digi-Key Part No. | Price Each | | | Omron Part No. |
|--------------------------|-------------------|------------|--------|--------|------------------------|
| | | 1 | 25 | 50 | |
| Relay Output, 2 Alarms | Z2409-ND | 166.31 | 153.99 | 143.73 | E5CN-R2MT-500-AC100240 |
| Voltage Output, 2 Alarms | Z2410-ND | 166.34 | 154.02 | 143.76 | E5CN-Q2MT-500-AC100240 |
| Voltage Output, No Alarm | Z2411-ND | 157.85 | 146.16 | 136.42 | E5CN-QMT-500-ACDC24 |

Digital Temperature Controllers



- Advanced digital process with fuzzy logic
- Field configurable outputs and options
- 100 ms sampling (for analog input)
- Advanced PID, or fuzzy self-tuning
- Water-resistant, NEMA 4X, IP66
- Remote set-point with optional event input board
- Set-point ramp
- Heat only or heat/cool control



| Description | Digi-Key Part No. | Price Each | | | Omron Part No. |
|---|-------------------|------------|--------|--------|----------------|
| | | 1 | 25 | 50 | |
| Standard Model, 96x96 mm | Z2412-ND | 444.43 | 411.51 | 384.08 | E5AK-AA2-500 |
| Position-Proportional Model, 96x96 mm | Z2413-ND | 484.83 | 448.92 | 419.00 | E5AK-PRR2-500 |
| Standard Model, 48x48 mm | Z2414-ND | 249.93 | 231.42 | 216.00 | E5CK-AA1-500 |
| Optional Current Transformer for 0-50A Heater Burnout | Z2416-ND | 22.55 | 20.88 | 19.49 | E54-CT1 |

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More Product Available Online: www.digkey.com

2482 (T083)

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