

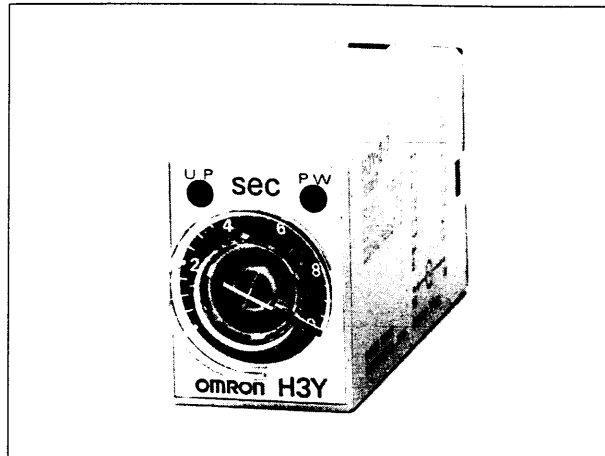
# Miniature Solid-state Timer

# H3Y

A range of four pole plug-in electronic timers with a pin-out matching that of the OMRON MY4 relay. (See MY4 page in the Relays section for details of sockets).

High repeat accuracy is ensured by the use of a digital counting circuit. Contacts are gold plated, assuring high switching reliability even when the timer is not operated for long periods. Timing mode is delay on energisation, the contacts change over after power has been applied to the coil for the preset time.

LED indicators show Power-ON and time up.



## Ordering Information

| Order Number        | H3Y-4 (Specify coil voltage and time range)   |
|---------------------|---|
| Output Type         | 4 pole changeover, ON-delay operation   |
| Coil Voltages       | 24VAC, 110VAC, 240VAC, 12VDC, 24VDC   |
| Rated Load          | 3A 250VAC resistive   |
| Reset Time          | 0.1 second max.   |
| Repeat Accuracy     | ±2% max.  |
| Minimum Load        | 1mA 1VDC  |
| Life Expectancy     | Mechanical: 10,000,000 operations min. (under no load and at operating frequency of 1,800 ops/hour)<br>Electrical: 200,000 operations at 3A 250VAC  |
| Dielectric Strength | 1,500 VAC, 50/60Hz for 1 minute (between current-carrying and non-current carrying parts, between contact and control circuit and between contacts of different poles)<br>1,000 VAC, 50/60Hz for 1 minute (between non-continuous contacts) |
| Ambient Temperature | Operating: -10° to 50°C   |
| Ambient Humidity    | 35% to 85%  |

### ■ Coil Characteristics

| Rated voltage           | 24 VAC                                | 110 VAC | 240 VAC                      | 12 VDC                       | 24 VDC |
|-------------------------|---------------------------------------|---------|------------------------------|------------------------------|--------|
| Power consumption       | AC: Approx. 2.2VA<br>DC: Approx. 1.5W |         |                              |                              |        |
| Operating Voltage Range | 85 to 110% of rated voltage           |         | 90% to 110% of rated voltage | 85% to 110% of rated voltage |        |
| AC types and 24VDC      | 85% to 110% of rated voltage          |         |                              |                              |        |
| 12VDC                   | 90% to 110% of rated voltage          |         |                              |                              |        |

|        |               |
|--------|---------------|
| 5 min  | 0.2 to 5 min  |
| 10 min | 0.5 to 10 min |
| 30 min | 1 to 30 min   |
| 60 min | 2 to 60 min   |
| 3 hr   | 0.1 to 3hrs   |

### ■ Time Ranges

| Rated Time | Time Setting Range |
|------------|--------------------|
| 1s         | 0.1 to 1s          |
| 5s         | 0.2 to 5s          |
| 10s        | 0.5 to 10s         |
| 30s        | 1.0 to 30s         |
| 60s        | 2.0 to 60s         |
| 120s       | 5.0 to 120s        |
| 3 min      | 0.1 to 3 min       |

### ■ Connections

