OMRON

24-hour Time Switch

H2E

ON/OFF Operation in Units of 15 Minutes

- The only requirement for time setting is the plugging of a setting pin into the desired hole on the dial.
- Permits manual ON/OFF operation independent of the set time.
- A power indicator lamp is provided, which permits monitoring even during the night.

Ordering Information

Classification	Control output	One cycle time	Min. setting time	Mounting method	Model
Standard type	SPST-NO	24 hrs	15 min	Surface mounting	H2E
				Flush mounting	H2E-Y
Dual-circuit type	DPST-NO		30 min	Surface mounting	H2E-2
				Flush mounting	H2E-Y2

Note: 1. Specify both the model number and supply voltage when ordering. All H2E-series Timers are supplied with two pairs of setting pins (one pair for each ON operation and OFF operation) as the standard accessories. If more setting pins are required, also specify the required number of setting pins.

2. For the flush mounting types, a mounting bracket is supplied.

3. Repetitive operations can be performed in a cycle of 24 hrs.

Specifications

■ Time Ranges

Item	H2E, H2E-Y	H2E-2, H2E-Y2
Type	Daily	
Operation period	24-hour	
Minimum division	15 min	
Minimum set time	15 min	30 min
Maximum set time	23 hrs 45 min	24 hrs

■ Ratings

Rated supply voltage	100/110 or 200/220 VAC (50/60 Hz)
Operating voltage range	85% to 110% of rated supply voltage
Power consumption	Approx. 2 VA
Control outputs	15 A at 250 VAC, resistive load ($\cos\phi = 1$) (max. operating voltage: 250 VAC)

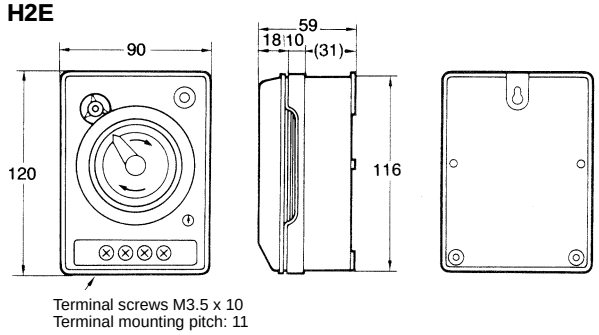
■ Characteristics

Accuracy of operating time	±5 min max.
Influence of voltage	
Influence of temperature	
Setting error	±5 min max.
Cycle time	±5 min max.
Insulation resistance	100 MΩ min. (at 500 VDC)
Dielectric strength	2,000 VAC, 50/60 Hz for 1 min (between current-carrying and non-current-carrying parts and between contact and control circuit) 1,000 VAC, 50/60 Hz for 1 min (between non-continuous contacts)
Vibration resistance	Destruction: 16.7 Hz, 4-mm double amplitude Malfunction: 10 to 55 Hz, 0.5-mm double amplitude
Shock resistance	Destruction: 1,000 m/s^2 (approx. 100G) Malfunction: 200 m/s^2 (approx. 20G)
Ambient temperature	Operating: −10°C to 55°C
Ambient humidity	Operating: 45% to 85%
Life expectancy	2 years min. (10,000 contact operations min.)
Weight	H2E(-Y): approx. 315 g H2E-(Y)2: approx. 360 g

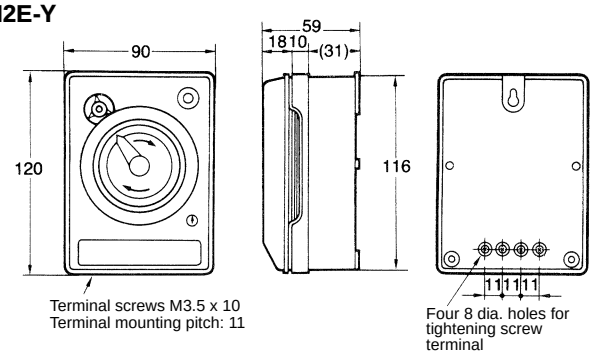
Dimensions

Note: All units are in millimeters unless otherwise indicated.

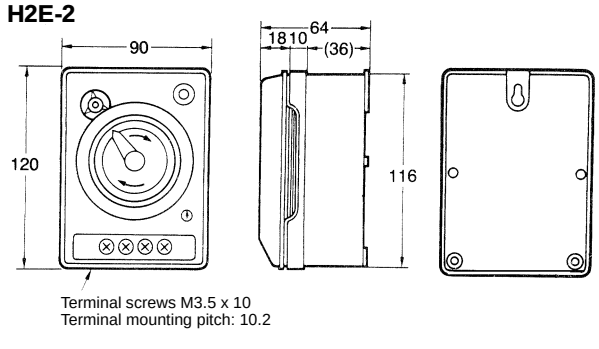
H2E



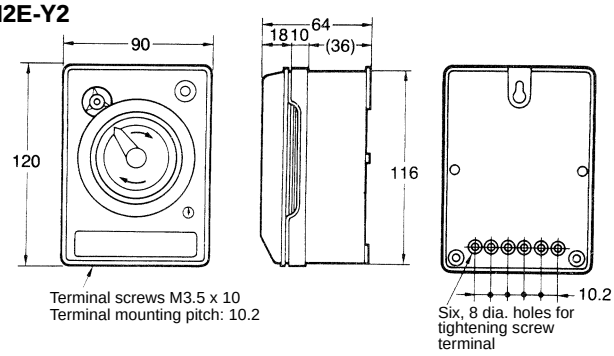
H2E-Y



H2E-2

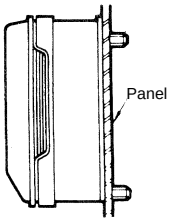


H2E-Y2

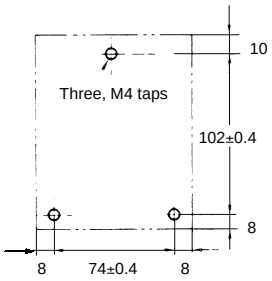


Mounting Dimensions

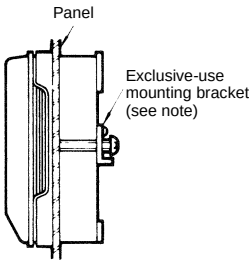
Surface Mounting
H2E, H2E-2



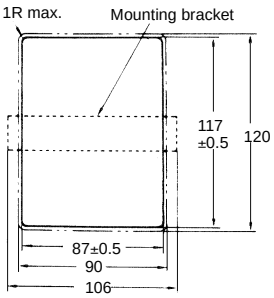
Mounting Holes



Flush Mounting
H2E-Y, H2E-Y2



Mounting Holes

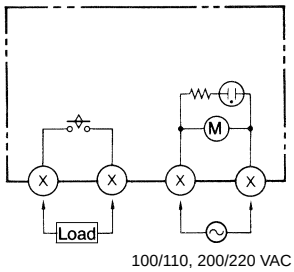


Note: The mounting panel thickness should be 1 to 3.2 mm.

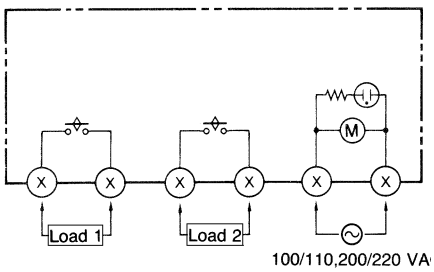
Installation

■ Connections

H2E, H2E-Y



H2E-2, H2E-Y2



ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.
To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

Cat. No. L010-E1-8