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You can read the recommendations in the user guide, the technical guide or the installation guide for OMRON H2A. You'll find the answers to all your questions on the OMRON H2A in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual OMRON H2A
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OMRON

Motor Timer

H2A

Miniature, High-performance Motor Timer

- Employs high-reliability bifurcated contacts for output.
- Moving pointer provided in all types for confirmation of elapsed time.
- Employs time-out and power ON indicators for all types.
- Wide variety of timing ranges from 5 s to 24 hrs.



Ordering Information

Operation/resetting system	Internal connection	Time-limit contact	Instantaneous contact	Mounting
Time-limit operation self-resetting	Parallel motor and clutch connection	SPDT	SPSTNO	H2A H2AH

Note: 1. Specify both the model number and supply voltage when ordering.
2. Surface mounting models can be used as a flush mounting type by attaching an exclusive adapter (Y92F-40) to the timer.

Specifications

Time Ranges

Rated time	Time setting range		Time division
	50 Hz	60 Hz	
5 s	0.2 to 6 s	0.2 to 5 s	0.2 s
10 s	0.5 to 12 s	0.5 to 10 s	0.5 s
30 s	1 to 36 s	1 to 30 s	1.0 s
60 s	2 to 72 s	2 to 60 s	2.0 s
3 min	1/4 to 3 1/2 min	1/4 to 3 min	10.0 s
6 min	1/4 to 7 1/8 min	1/4 to 6 min	15.0 s
12 min	1/2 to 14 min	1/2 to 12 min	30.0 s
20 min	1 to 20 min	1 to 30 min	1.0 min
60 min	2 to 72 min	2 to 60 min	2.0 min
3 hrs	1/4 to 3 1/2 hrs	1/4 to 3 hrs	10.0 min
6 hrs	1/4 to 7 hrs	1/4 to 6 hrs	15.0 min
12 hrs	1/2 to 14 hrs	1/2 to 12 hrs	30.0 min
24 hrs	1 to 24 hrs	1 to 24 hrs	1.0 hrs

Ratings

Rated supply voltage	100, 110, 200 or 220 VAC (50 Hz), 100/110, 200/220 VAC (60 Hz)
Operating voltage range	80% to 110% of rated supply voltage
Power consumption	Approx. 3 VA
Control outputs	Standard type: 2 A at 250 VAC, resistive load (cosφ = 1)

Note: The front panel of the timer is color-coded to identify the following supply voltage classifications:
100, 110 V: Blue
200, 220 V: Red
Other classes: Black



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Manual abstract:

Employs time-out and power ON indicators for all types. Wide variety of timing ranges from 5 s to 24 hrs. H2A Ordering Information Operation/resetting system p gy Internal connection Time-limit tt contact SPDT --SPST-NO Instantaneous tt contact H2A H2A-H Mounting Surface mounting (see note 2) Time-limit operation/ p lf tti self-resetting Note: Parallel motor and lth ti clutch connection 1. Specify both the model number and supply voltage when ordering. 2. Surface mounting models can be used as a flush mounting type by attaching an exclusive adapter (Y92F-40) to the timer. Specifications Time Ranges Rated time 50 Hz 5s 10 s 30 s 60 s 3 min 6 min 12 min 30 min 60 min 3 hrs 6 hrs 12 hrs 24 hrs 0.2 to 6 s 0.5 to 12 s 1 to 36 s 2 to 72 s 1/6 to 3 1/2 min 1/4 to 7 1/6 min 1/2 to 14 min 1 to 36 min 2 to 72 min 1/6 to 3 1/2 hrs 1/4 to 7 hrs 1/2 to 14 hrs 1 to 28 hrs 0.2 to 5 s 0.

5 to 10 s 1 to 30 s 2 to 60 s 1/6 to 3 min 1/4 to 6 min 1/2 to 12 min 1 to 30 min 2 to 60 min 1/6 to 3 hrs 1/4 to 6 hrs 1/2 to 12 hrs 1 to 24 hrs Time setting range 60 Hz 0.2 s 0.5 s 1.0 s 2.0 s 10. 0 s 15.0 s 30.0 s 1.0 min 2.0 min 10.

0 min 15.0 min 30.0 min 1.0 hrs Time division Ratings Rated supply voltage Operating voltage range Power consumption Control outputs Note: 100, 110, 200, or 220 VAC (50 Hz), 100/110, 200/220 VAC (60 Hz) 85% to 110% of rated supply voltage Approx. 3 VA Standard type: 2 A at 250 VAC, resistive load (cos = 1) The front panel of the timer is color-coded to identify the following supply voltage classifications: 100, 110 V: Blue 200, 220 V: Red Other classes:

Black 1 H2A Characteristics Accuracy of operating time Setting error Reset time Influence of voltage Influence of temperature Insulation resistance Dielectric strength $\pm 2\%$ max. $\pm 3\%$ max. for the 5-s model) $\pm 5\%$ max. 0.3 s max. $\pm 1\%$ max.

$\pm 2\%$ max. 100 M min. @100G) Malfunction: 100 m/s² (approx. @@@@E52800-US), CSA (File No. LR22310-US) Approx. @@@@holes Mounting Holes Mounting Height of Timer with Socket Bottom View 3 H2A Mounting Track (Meets DIN EN50022) PFP-100N/PFP-50N Hold-down Clips (Attached) PHC-1 For PF085A H2A (see note) Note: This dimension applied to PFP-50N. End Plate PFP-M PFP-S Installation Terminal Arrangement H2A H2A-H Precautions Mounting When two or more timers are to be mounted in line, provide a distance of more than 5 mm between the two adjacent timers. Wiring When wiring, employ a multi-core cable having a finished outer diameter of less than 10.5 mm, or insulated (twisted) wires with less than a 3 mm outer diameter. When two or more timers mounted in line are to be continuously energized at the same time after the set time has elapsed, be sure to limit the carry current to less than 1 A.

When using the timers at an ambient temperature of more than 40°C, be sure to reset the timers immediately after the set time has elapsed. 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. L04-E1-8 In the interest of product improvement, specifications are subject to change without notice. OMRON Corporation Systems Components Division 28th Fl.

, Crystal Tower Bldg. .



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