



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Economical, Compact, Plug-in Timer

- Time limit operation with automatic resetting.
- DIN size (36 × 36 mm), fits standard 8-pin sockets.
- Wide choice of supply voltages:
24, 100 to 120, 200 to 240 VAC, 12, 24 VDC.
- Dual LED indication for power and output statuses.
- Large transparent setting knob.
- Setting error rating almost matches that of a 48 × 48 timer.
- Conforms to UL and CSA, and meets CE marking requirements.



Ordering Information

Operation/resetting system	Time-limit contact	Mounting method	Rated time	Model
Time-limit operation/ self-resetting	SPDT	Surface mounting, flush mounting, and DIN track mounting	1 s, 3 s, 5 s, 10 s, 30 s, 60 s, 3 min, 5 min, 10 min, 30 min, 60 min, 3 hrs	H3JA-8A
	DPDT			H3JA-8C

Note: Specify the model number, supply voltage, and rated time when ordering.

Ex. H3JA-8A 100 to 120 VAC 1 s
 └──────────────────┬──────────┘
 Supply voltage Rated time

■ Accessories (Order Separately)

Name/specifications		Models
Flush Mounting Adapter		Y92F-31
Mounting Track	50 cm (ℓ) × 7.3 mm (t)	PFP-50N
	1 m (ℓ) × 7.3 mm (t)	PFP-100N
	1 m (ℓ) × 16 mm (t)	PFP-100N2
End Plate		PFP-M
Spacer		PFP-S
Track Mounting/ Front Connecting Socket	8-pin	PF085A
Back Connecting Socket	8-pin	US08
	8-pin	P3G-08
	8-pin, finger safe type	P3G-08 with Y92A-48G (see note 1)
Hold-down Clip (see note 2)	For PF085A Socket	Y92H-6

Note: 1. Y92A-48G is a finger safe terminal cover which is attached to the P3G-08 Socket.

2. Hold-down Clips are sold in sets of two.

Specifications

■ Time Ranges

Rated time	Time range	Rated time	Time range
1 s	0.1 to 1 s	3 min	0.3 to 3 min
3 s	0.3 to 3 s	5 min	0.5 to 5 min
5 s	0.5 to 5 s	10 min	1 to 10 min
10 s	1 to 10 s	30 min	3 to 30 min
30 s	3 to 30 s	60 min	6 to 60 min
60 s	6 to 60 s	3 hrs	0.3 to 3 hrs

■ Ratings

Rated supply voltage	24, 100 to 120 or 200 to 240 VAC (50/60 Hz); 12, 24 VDC
Operating voltage range	85% to 110% of rated supply voltage
Power consumption	<p><u>H3JA-8A</u></p> <p>100 to 120 VAC: Approx. 2.6 VA (1.1 W) at 120 VAC 200 to 240 VAC: Approx. 5.0 VA (1.5 W) at 240 VAC 24 VAC: Approx. 1.0 VA (0.9 W) at 24 VAC 24 VDC: Approx. 0.8 W at 24 VDC 12 VDC: Approx. 0.5 W at 12 VDC</p> <p><u>H3JA-8C</u></p> <p>100 to 120 VAC: Approx. 2.4 VA (0.9 W) at 120 VAC 200 to 240 VAC: Approx. 4.1 VA (1.1 W) at 240 VAC 24 VAC: Approx. 1.2 VA (1.0 W) at 24 VAC 24 VDC: Approx. 0.8 W at 24 VDC</p>
Control outputs	H3JA-8A: 7 A at 250 VAC, resistive load H3JA-8C: 5 A at 250 VAC, resistive load

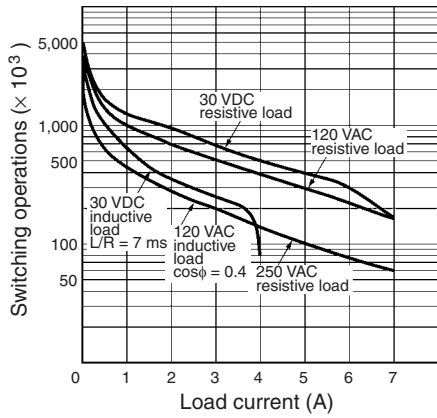
■ Characteristics

Accuracy of operating time	±2% max. (full scale)
Setting error	±7% max. (full scale) ±50 ms at 20°C
Influence of voltage	±2% max. (full scale)
Influence of temperature	±5% max. (full scale)
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-carrying and control circuit, and between contacts of different poles) 750 VAC, 50/60 Hz for 1 min (between non-continuous contacts: H3JA-8A) 1,000 VAC, 50/60 Hz for 1 min (between non-continuous contacts: H3JA-8C)
Impulse withstand voltage	3 kV (between power terminals) 4.5 kV (between current-carrying terminal and exposed non-current-carrying metal parts)
Noise immunity	±1.5 kV (between power terminals) and ±1.5 kV (between output terminals), square-wave noise by noise simulator (pulse width: 100 ns/1 μs, 1-ns rise)
Static immunity	Destruction: 8 kV Malfunction: 6 kV
Vibration resistance	Destruction: 10 to 55 Hz with 0.75-mm double amplitude in 3 directions for 1 hour each. Malfunction: 10 to 55 Hz with 0.5-mm double amplitude in 3 directions for 10 minutes each.
Shock resistance	Destruction: 1,000 m/s ² Malfunction: 100 m/s ²
Ambient temperature	Operating: -10°C to 55°C Storage: -25°C to 65°C
Ambient humidity	Operating: 35% to 85%
Life expectancy	H3JA-8A Mechanical: 10,000,000 operations min. Electrical: 60,000 operations min. (7 A resistive load at 250 VAC, 360 operations/h) H3JA-8C Mechanical: 10,000,000 operations min. Electrical: 100,000 operations min. (5 A resistive load at 250 VAC, 360 operations/h)
EMC	(EMI) Emission Enclosure: EN55011 Group 1 class B Emission AC Mains: EN55011 Group 1 class B Harmonic Current: EN61000-3-2 Voltage Fluctuation and Flickering: EN61000-3-3 (EMS) Immunity ESD: EN61000-4-2: 6 kV contact discharge (level 3) 8 kV air discharge (level 3) Immunity RF-interference from AM Radio Waves: EN61000-4-3: 10 V/m (80 MHz to 1 GHz) (level 3) Immunity Burst: EN61000-4-4: 2 kV power port and output port (level 3) 1 kV control port with capacitive clamp (level 3) Immunity Surge: EN61000-4-5: 2 kV common mode (level 3) 1 kV differential mode (level 3)
Approved standard	UL508 (See note.), CSA C22.2 No. 14, conforms to EN61812-1 (Pollution degree 2)
Case color	Light gray (Munsell 5Y7/1)
Degree of protection	IP40 (panel surface)
Weight	H3JA-8A: Approx. 50 g H3JA-8C: Approx. 60 g

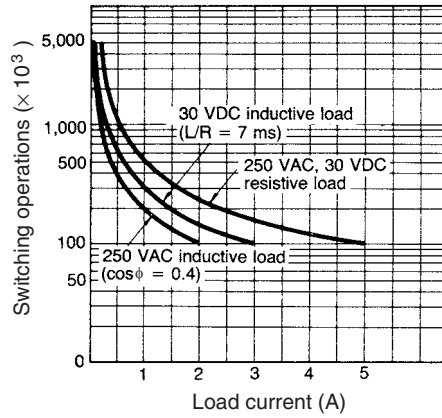
Note: The surrounding air temperature (operating) is -10 to 40°C.

Engineering Data

H3JA-8A



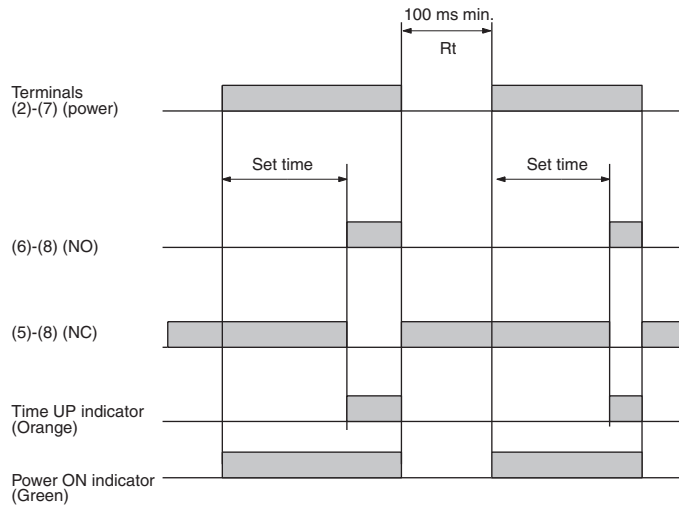
H3JA-8C



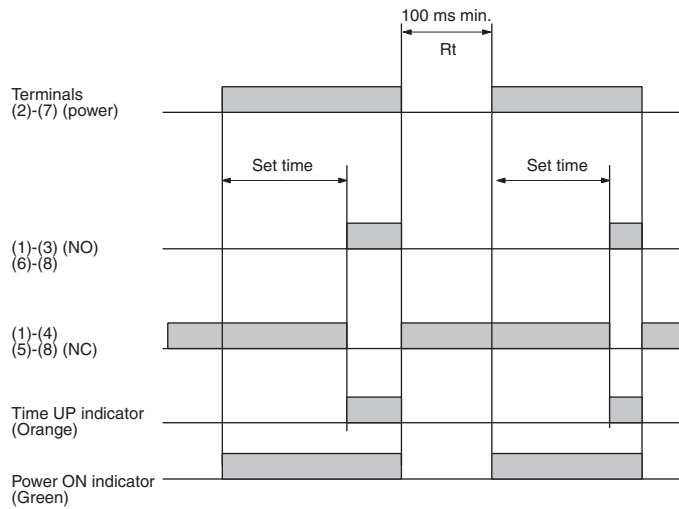
Operation

■ Timing Chart

H3JA-8A

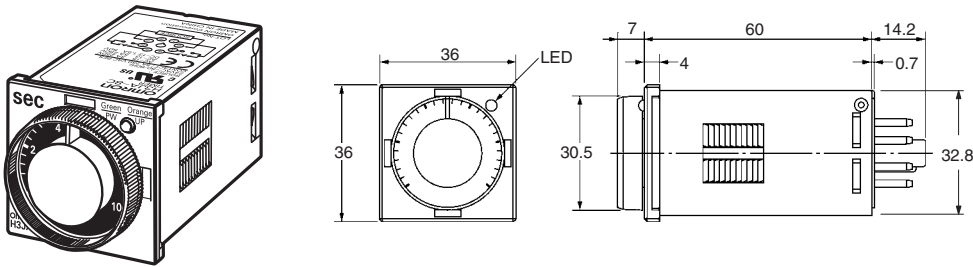


H3JA-8C



Dimensions

Note: All units are in millimeters unless otherwise indicated.



■ Accessories (Order Separately)

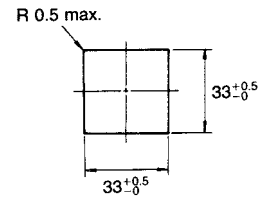
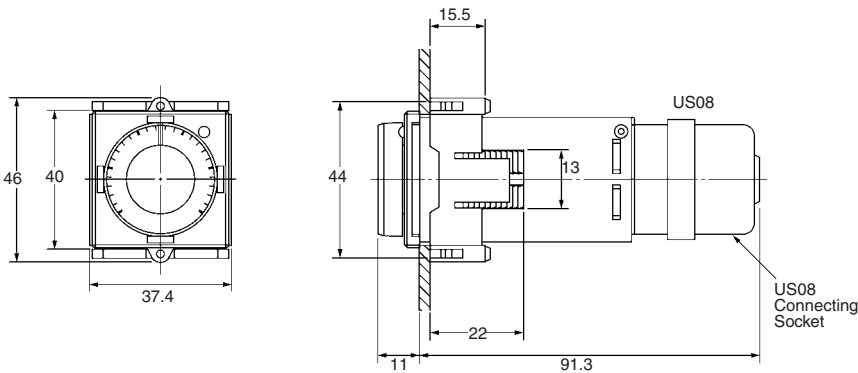
Flush Mounting Adapter

Y92F-31

Adapter Y92F-31 shown with H3JA-8□ and back connecting socket.

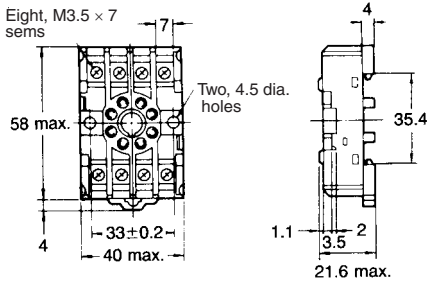
Panel Cutout

Recommended panel thickness: 1 to 5 mm

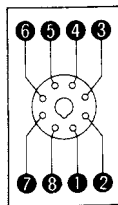


Track Mounting/Front Connecting Socket

PF085A

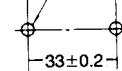


Terminal Arrangement (Top View)

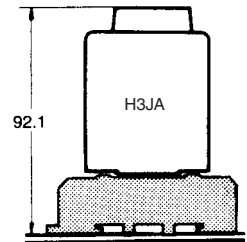


Mounting Holes

Two, M4 or 4.5 dia. holes



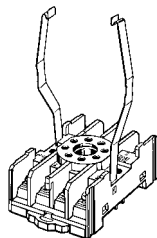
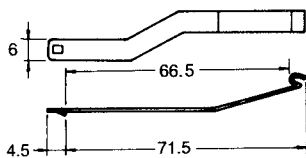
Mounting Height of Timer with Socket



Note: PF085A can be used as a front connecting socket.

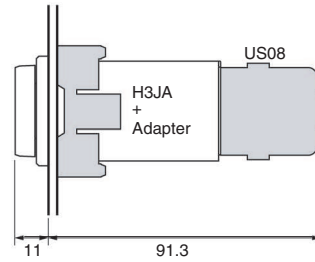
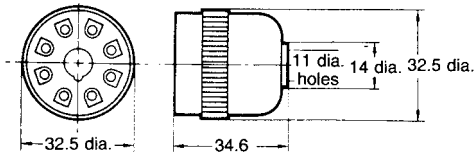
Hold-down Clips (Set of Two Clips)

Y92H-6 for PF085A Socket

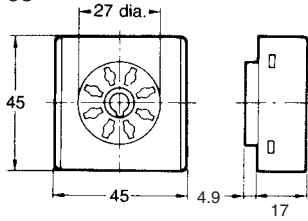


Back Connecting Socket

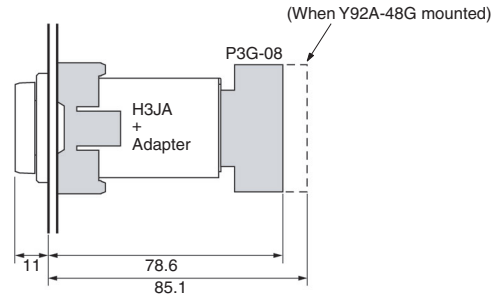
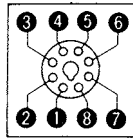
US08



P3G-08

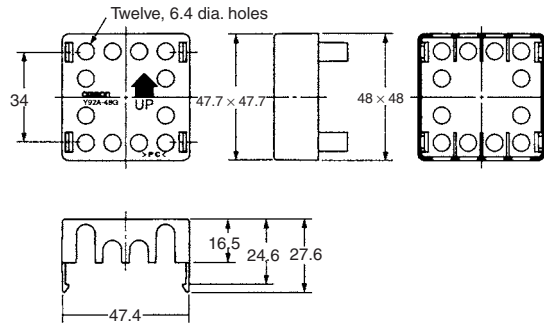
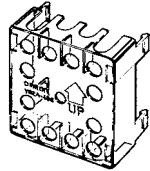


Terminal Arrangement (Bottom View)

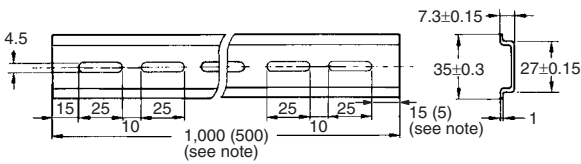
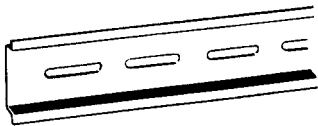


**Finger Safe Terminal Cover
Conforming to VDE0106/P100**

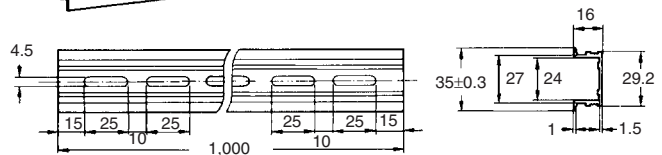
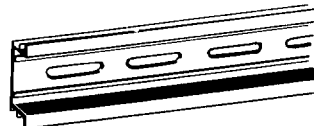
**Y92A-48G
(Attachment for P3G-08
Socket)**



**Mounting Track
PFP-100N, PFP-50N**

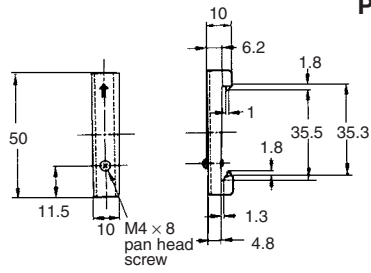
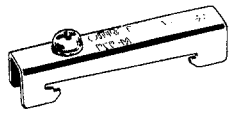


PFP-100N2

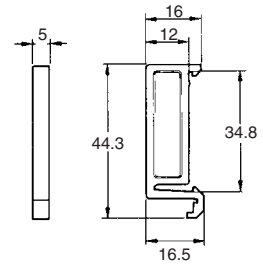
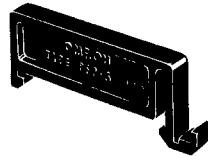


Note: The values shown in parentheses are for the PFP-50N.

End Plate
PFP-M



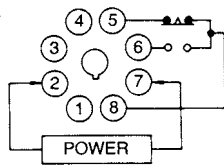
Spacer
PFP-S



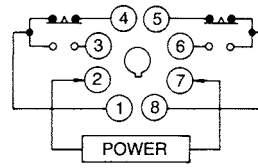
Installation

■ Terminal Arrangement

H3JA-8A



H3JA-8C



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. L110-E1-01A **In the interest of product improvement, specifications are subject to change without notice.**

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