

### Low-cost, Plug-in Solid-state Timer

- Time limit operation with automatic resetting.
- Subminiature DIN size (36 x 36 mm).
- Wide choice of supply voltages:  
24, 100/110/120, or 200/220/240 VAC.
- Fits standard 8-pin sockets.
- Surface-mount timer converts to flush mounting style with optional adapter (see *Accessories*).
- LED power-ON indicator.



### Ordering Information

Operation/resetting system	Time-limit contact	Mounting method	Rated time	Model
Time-limit operation/ self-resetting	SPDT	Surface mounting	1 s, 3 s, 5 s, 10 s, 30 s, 30 s, 60 s, 3 min, 5 min, 10 min, 30 min, 60 min, 3 hrs	H3G-8A
	DPDT		1 s, 3 s, 5 s, 10 s, 30 s, 30 s, 60 s, 3 min, 5 min, 10 min, 30 min, 60 min, 3 hrs	H3G-8C

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

Ex. H3G-8A 100/110/120 VAC 1 s

└──────────┘  
Rated time

└──────────┘  
Supply voltage

### 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 30 min
60 s	6 to 60 s	3 hrs	0.3 to 3 hrs

#### ■ Ratings

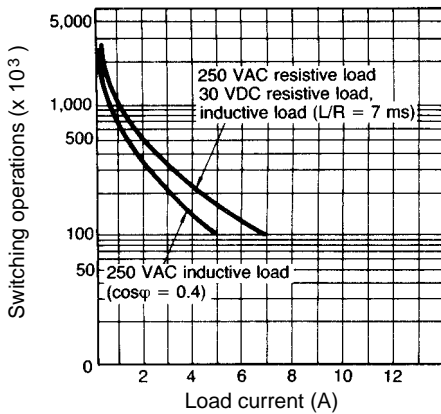
<b>Rated supply voltage</b>	24, 100/110/120 or 200/220/240 VAC (50/60 Hz); 12, 24 VDC
<b>Operating voltage range</b>	85% to 110% of rated supply voltage
<b>Power consumption</b>	Approx. 3.4 VA (at 200 VAC)
<b>Control outputs</b>	H3G-8A: 7 A at 125/250 VAC, resistive load H3G-8C: 5 A at 125/250 VAC, resistive load

■ Characteristics

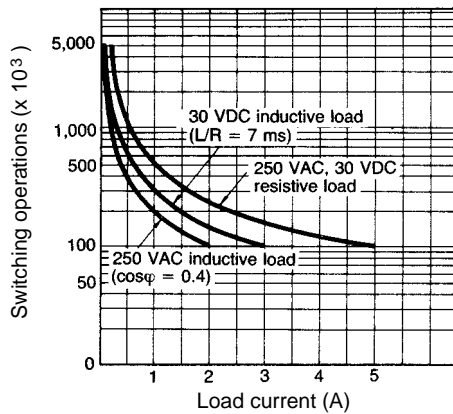
Accuracy of operating time	±2% max.
Setting error	±10% max.
Influence of voltage	±2% max.
Influence of temperature	±5% max.
Insulation resistance	100 MΩ min. (at 500 VDC)
Dielectric strength	2,000 VAC, 50/60 Hz for 1 min (between current-carrying and non-current-carrying parts, and between contact-carrying and control circuit, and between contacts of different poles) 1,000 VAC, 50/60 Hz for 1 min (between non-continuous contacts)
Vibration resistance	Destruction: 10 to 55 Hz with 0.75-mm double amplitude Malfunction: 10 to 55 Hz with 0.5-mm double amplitude
Shock resistance	Destruction: 1,000 m/s <sup>2</sup> (approx. 100G) Malfunction: 100 m/s <sup>2</sup> (approx. 10G)
Ambient temperature	Operating: -10°C to 55°C
Ambient humidity	Operating: 35% to 85%
Life expectancy	Mechanical: 10,000,000 operations min. Electrical: See <i>Engineering Data</i> .
Approved standards	UL (File No. E41515) CSA (File No. LR22310) Input: 100/110/120, 200/220/240 VAC (50/60 Hz) Output: H3G-8A: 7 A at 125, 250 VAC (resistive load) H3G-8C: 5 A at 125, 250 VAC (resistive load)  SEV
Weight	Approx. 55 g

Engineering Data

H3G-8A



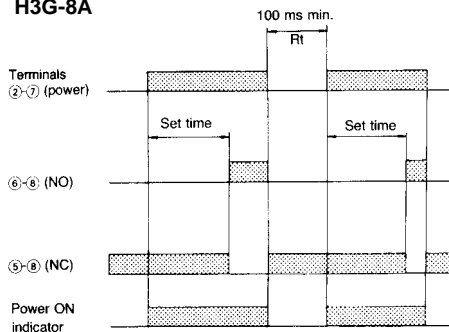
H3G-8C



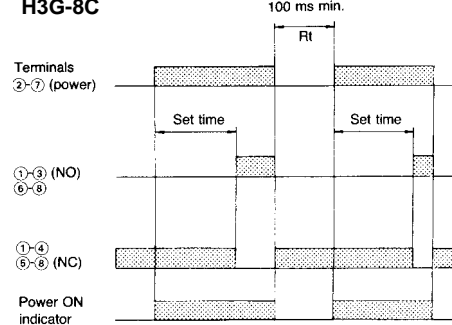
Operation

■ Timing Chart

H3G-8A

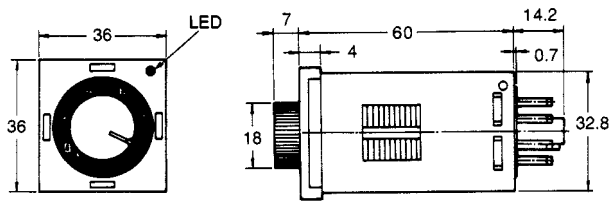


H3G-8C



# Dimensions

**Note:** All units are in millimeters unless otherwise indicated.

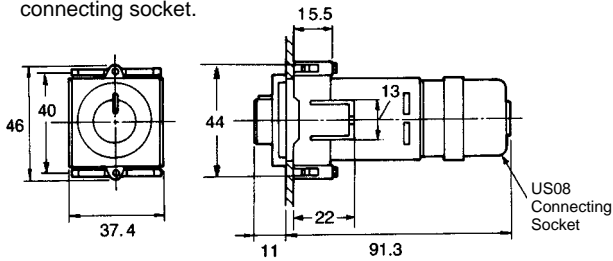


## ■ Accessories (Order Separately)

### Adapter for Flush Mounting

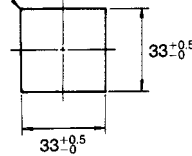
#### Y92F-31

Adapter Y92F-31 shown with H3G-8□ and connecting socket.



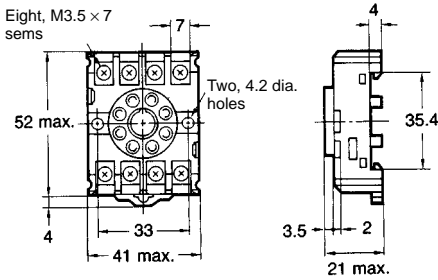
### Panel Cutout

Recommended panel thickness: 1 to 5 mm  
R 0.5 max.

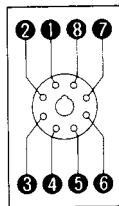


### Track Mounting Socket

#### PF083A

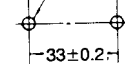


### Terminal Arrangement (Top View)

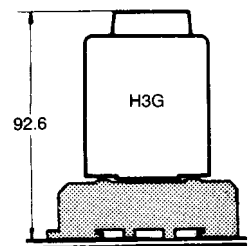


### Mounting Holes

Two, M4 or 4.5 dia. holes

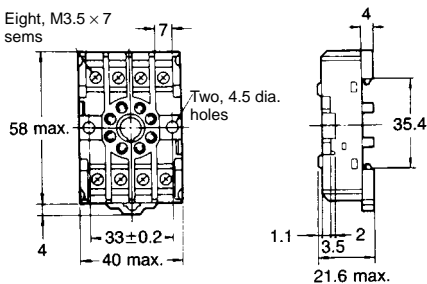


### Mounting Height of Timer with Socket

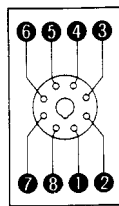


**Note:** PF085A can be used as a front connecting socket.

#### PF085A

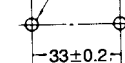


### Terminal Arrangement (Top View)

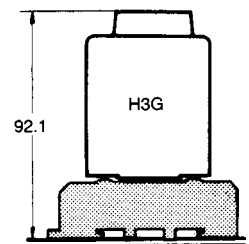


### Mounting Holes

Two, M4 or 4.5 dia. holes



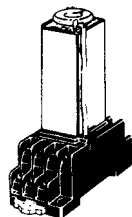
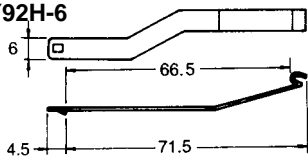
### Mounting Height of Timer with Socket



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

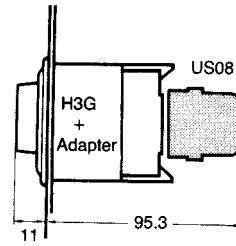
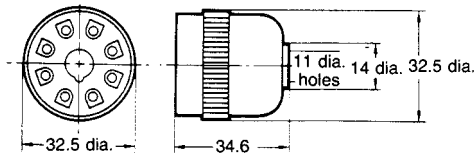
### Mounting Clips

#### Y92H-6

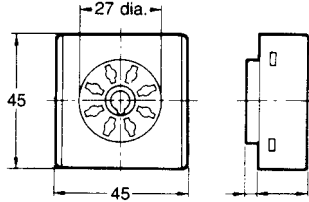


**Connecting Socket**

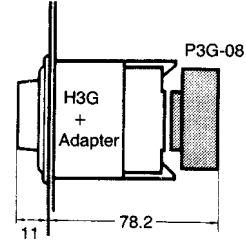
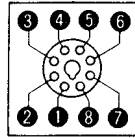
**US08**



**P3G-08**

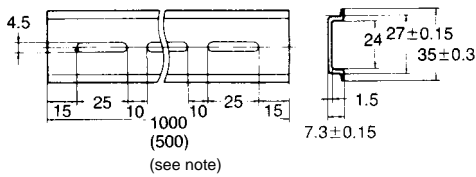


**Terminal Arrangement (Bottom View)**



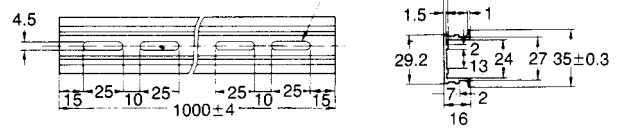
**Mounting Track (Meets DIN EN50022)**

**PFP-100N/PFP-50N**



**PFP-100N2**

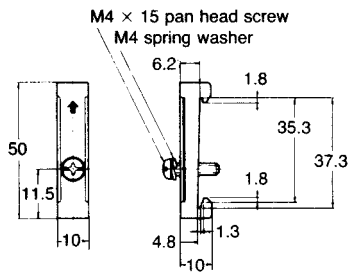
Twelve, 25 × 4.5 elliptic holes (see note)



**Note:** This dimension applied to PFP-50N.

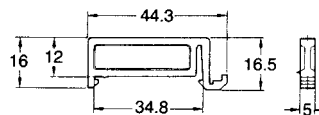
**End Plate**

**PFP-M (for Track Mounting Socket)**



**Spacer**

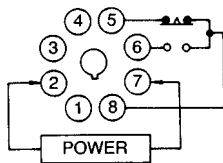
**PFP-S (for Track Mounting Socket)**



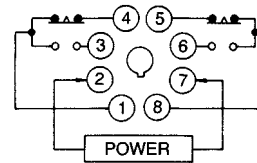
**Installation**

**Terminal Arrangement**

**H3G-8A**



**H3G-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. L033-E1-4 In the interest of product improvement, specifications are subject to change without notice.

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