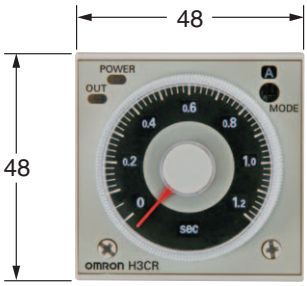
OMRON
Founded in 1933, JAPAN

Multi-functional TIMER

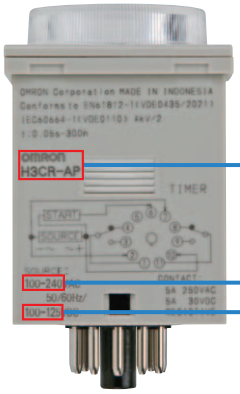
Order Code

H3CR-AP AC100-240/DC100-125

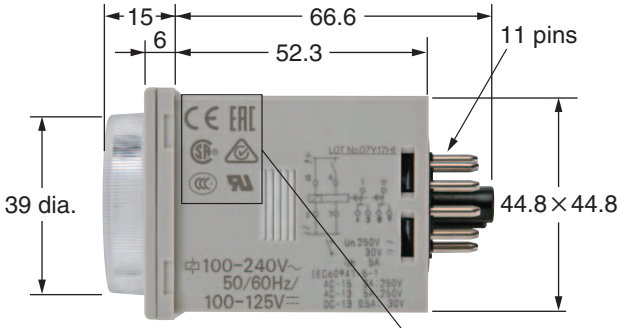
Dimensions (Unit: mm)



Front



Top view

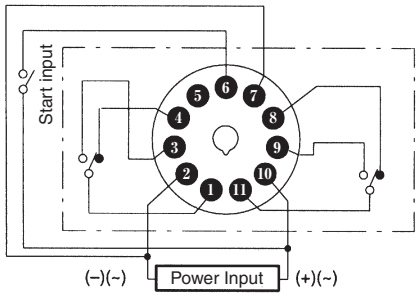


Side view

There is a case that the marks of Approval are updated.

Pin Connection

H3CR-AP (Contact Output)

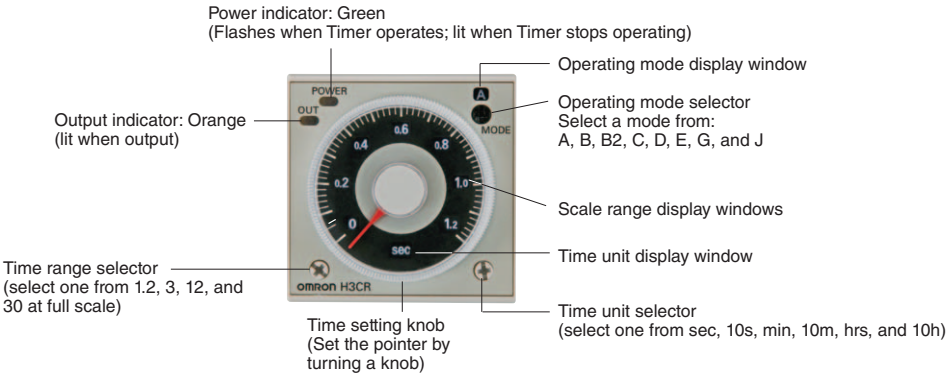


Note: 1. Terminal 5 is empty.
2. Separate power supplies can be used for the Timer and inputs.

Technical criteria

Rated supply voltage	100 to 240 VAC (50/60Hz) or 100 to 125 VDC
Reset Power Off time	0.1 s min
Operating Temperature	–10 to 55 °C
Signal Input type	Voltage input
Start Signal input time	0.05 s min
Output	Contact Output: Time limit contact (DPDT) 5A at 250 VAC/30 VDC, 0.15A at 125 VDC, resistive load (cosϕ = 1) Minimum applied load: 10mA at 5 VDC (failure level: P, reference value) Contact materials: Ag-alloy
Time Setting Error	±0.2% Full Scale max. (±0.2%・10 ms max. in a range of 1.2 s or 3 s)
Operating mode	A: ON-delay B: Flicker OFF start B2: Flicker ON start C: Signal ON/OFF-delay D: Signal OFF-delay E: Interval G: Signal ON/OFF-delay J: One-shot
Safety Standards	UL 508, CSA C22.2 No.14 CCC CE Marking under EN 61812-1, IEC 60664-1 Marine Approvals (NK, Lloyds) For the most recent information on models that have been certified for safety standards, refer to your OMRON website.

Nomenclature

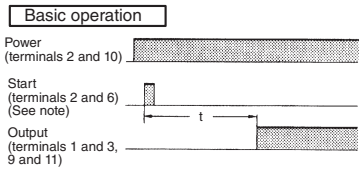


Time range

Time unit		sec (second)	10s (x 10 seconds)	min (minute)	10m (x 10 minutes)	hrs (hour)	10h (x 10 hours)
Full scale setting	1.2	0.05 to 1.2	1.2 to 12	0.12 to 1.2	1.2 to 12	0.12 to 1.2	1.2 to 12
	3	0.3 to 3	3 to 30	0.3 to 3	3 to 30	0.3 to 3	3 to 30
	12	1.2 to 12	12 to 120	1.2 to 12	12 to 120	1.2 to 12	12 to 120
	30	3 to 30	30 to 300	3 to 30	30 to 300	3 to 30	30 to 300

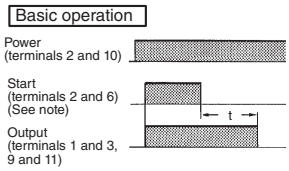
Timing Chart

A: ON-delay



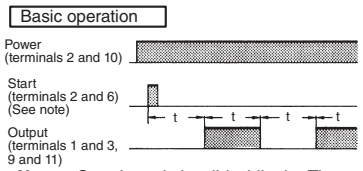
Note: Start input is invalid while the Timer is in operation.

D: Signal OFF-delay



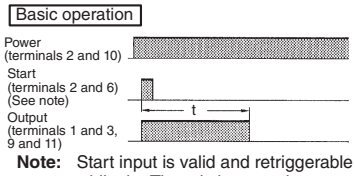
Note: Start input is valid and retriggerable while the Timer is in operation.

B: Flicker OFF start



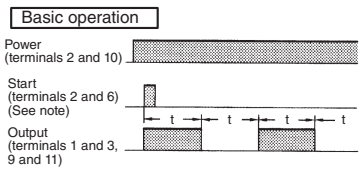
Note: Start input is invalid while the Timer is in operation.

E: Interval



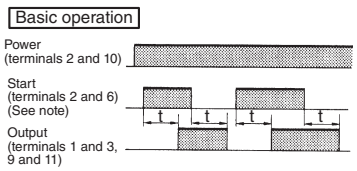
Note: Start input is valid and retriggerable while the Timer is in operation. (Previous start input will be cancelled.)

B2: Flicker ON start



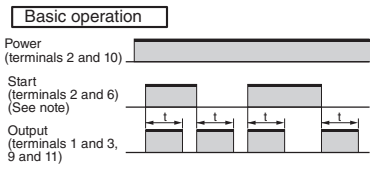
Note: Start input is invalid while the Timer is in operation.

G: Signal ON/OFF-delay



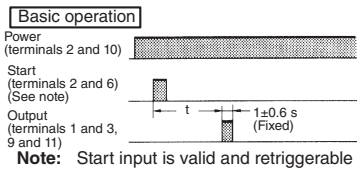
Note: Start input is valid and retriggerable while the Timer is in operation.

C: Signal ON/OFF-delay



Note: Start input is valid and retriggerable while the Timer is in operation.

J: One-shot



Note: Start input is valid and retriggerable while the Timer is in operation. (Previous start input will be cancelled.)

Accessories

DIN rail Mount Socket	On-panel Mount Socket	On-panel Mounting Adaptor	Hard protect Cover	Water Proof Cover (IP66)
				
P2CF-08-E/P2CF-11-E	**P3G-08/P3GA-11**	**Y92F-30**	**Y92A-48B**	**Y92A-48N**

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