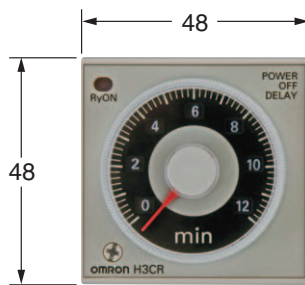# Power OFF-delay TIMER

Order Code

H3CR-H8L AC200-240 M

Dimensions (Unit: mm)

Front

48

48

RyON
POWER OFF DELAY

2 4 6 8 10 12 0
min

omron H3CR

Top view
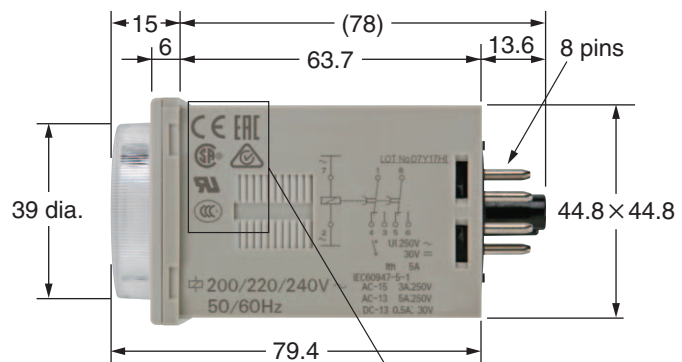
OMRON Corporation MADE IN INDONESIA
Conforms to EN61812-1/VDE0435/2021)
IEC60664-1/VDE0110J 4kV/2

OMRON
H3CR-H8L

TIME RANGE M
0.05min to 12min

SOURCE   SOURCE   CONTACT
200/220/240 VAC   5A 250VAC
50/60Hz   5A 30VDC RESISTIVE

Side view

15 (78)
6 63.7 13.6 8 pins

39 dia.

CE EAC
UL
CCC
200/220/240V
50/60Hz

LOT No.07Y1TH6
UL250V~
30V=
Ith 5A
IEC60947-6-1
AC-15 3A250V
AC-13 5A250V
DC-13 0.5A 30V

44.8 × 44.8

79.4

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

Pin Connection

H3CR-H8L (Contact Output)

(−)
(~)

4 5
3 6
2 7
1 8

(+)
(~)

Power Input
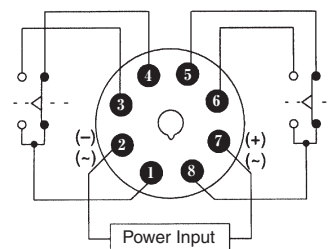
Technical criteria

Rated supply voltage	200 to 240 VAC (50/60 Hz)
Power On time	2 s min
Operating Temperature	−10 to 55 °C
Reset Input type	—
Reset input time	—
Output	Contact Output: Instantaneous operation/Time-limit reset (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
Accuracy of operating Time	±0.2% Full Scale max. (±0.2% FS ±10 ms max. in ranges of 0.6 and 1.2 s)
Setting error	±5% Full Scale ±50 ms max.
Operation start voltage	30% max. of rated voltage
Influence of voltage	±0.2% Full Scale max. (±0.2% FS ±10 ms max. in ranges of 0.6 and 1.2 s)
Influence of temperature	±1% Full Scale max. (±1% FS ±10 ms max. in ranges of 0.6 and 1.2 s)
Operating mode	Power OFF-delay
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

- Output indicator
- Scale range display windows
- Time setting knob (for setting power OFF-delay time)
- Time range selector (select one from 0.6, 1.2, 6, and 12 at full scale)
- Time unit display M-series: min
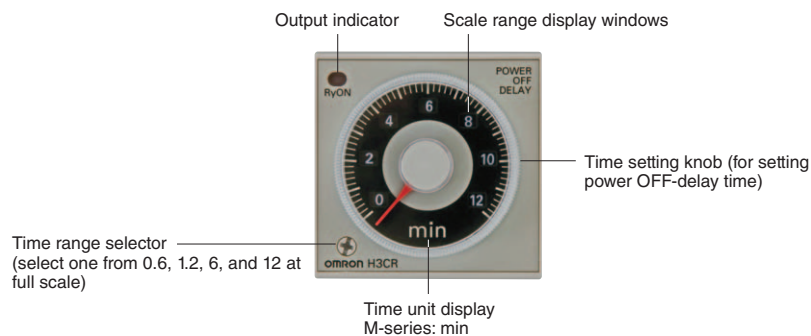
Time range

	Time unit	M-series
Scale number (max.)		min (minute)
0.6	Set time range	0.05 to 0.6
1.2		0.12 to 1.2
6		0.6 to 6
12		1.2 to 12
Min. power ON time		2 s min.
Time-up operation repeat period		3 s min.
Forced-reset repeat period		3 s min.

Note: 1. If the above minimum power ON time is not secured, the H3CR may not operate. Be sure to secure the above minimum power ON time.

2. Do not use the Timer with a repeat period of less than 3 s. Doing so may result in abnormal heating or burning.

Timing Chart

Power OFF Delay	
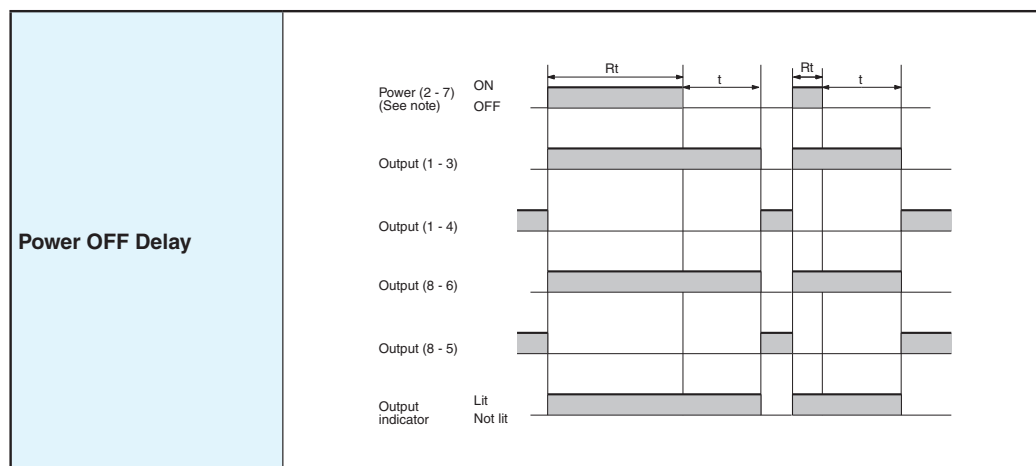
t: Set time

Rt: Minimum power ON time (2 s min.)

If the power ON time is less than this value, the Timer may not operate (i.e., output may not turn ON).

Note: If the power is turned ON until the set time is up, the timer will be retriggered.

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**

Cat. No. L165-E1-01   0318 (0318)