

H3CR

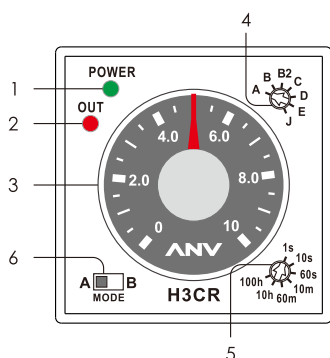
MULTI-FUNCTION TIMER

MANUAL

NOTICE

1. Do not use corrosive gas, dust, or high temperature and humidity, which may be affected use in the environment where water, oil, chemicals, etc. splash.
2. Please pay attention to the polarity of the terminals, etc., to avoid wiring errors.
3. Do not make any connections to unused terminals.
4. If non-rated voltage is applied, internal components may be damaged.
5. The exterior of the timer body is easily immersed in organic solvents (thinner, benzene, etc.), Please pay attention to strong alkali substances and strong acid substances.
6. Do not disassemble, repair or modify.
7. Make sure that the product is used in accordance with the operating instructions.

PART DESCRIPTION



SYMBOL	FUNCTION
1	Power indicator(G) Timing: Flicker Time up: Light
2	Output indicator
3	Setting time value
4	Operation mode selector (A, B, B2, C, D, E, J)
5	Time unit selector (1s, 10s, 60s, 10m, 60m, 10h, 100h)
6	A/B MODE switch (A : 2c , B : 1a1c)

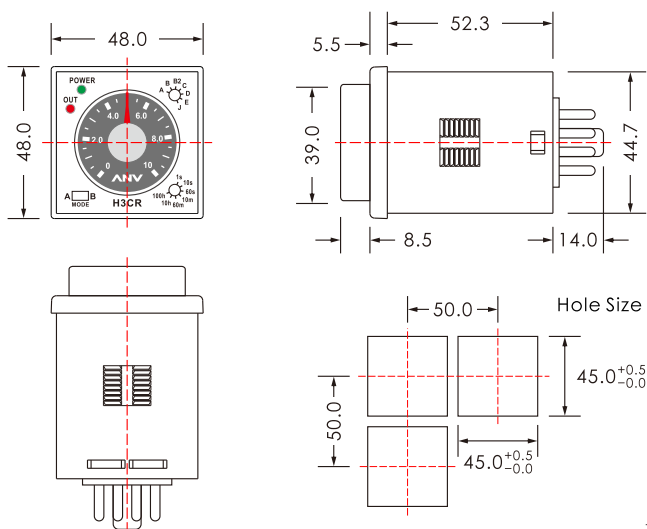
Base Setting

Selection of Operating Mode and Time Unit:
Use a Phillips head or flathead screwdriver to turn the selector switch. It can be turned to the left or right to switch. The switch has a latch position, please be sure to cooperate with the latch position switch, otherwise it may cause malfunction. Switching the action mode or time unit mode will cause the timer Malfunction, be sure to turn off the power before switching.

Usable screwdrivers
Flat head: Width 2.5 to 3.0 mm

DIMENSIONS

(Unit : mm)

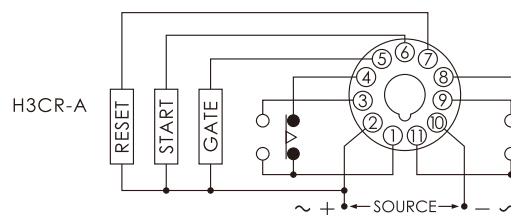
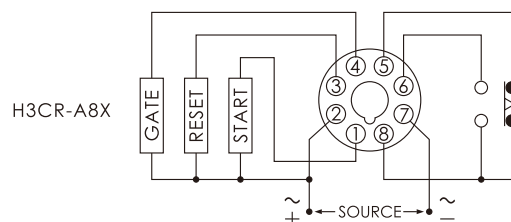
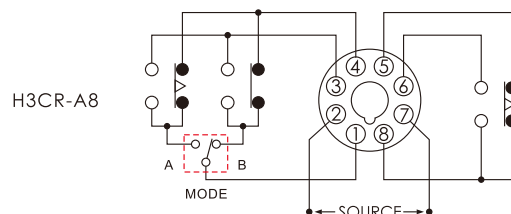


TRAK02

SPECIFICATION & CHARACTERISTICS

DIMENSIONS		48H x 48W x 80.3D(mm)
RESET TIME		0.1sec max.
ACCURACY	REPEAT ERROR	±0.3% max.
	SETTING ERROR	±5% max.
	VOLTAGE ERROR	±0.5% max.
	TEMPERATURE ERROR	±2% max.
LIFE	MECHANICAL	5 x 10 ⁶ times
	ELECTRICAL	10 ⁵ times
INSULATION RESISTANCE		100MΩ or more between input terminals and case(ground) at DC 500V
DIELECTRIC STRENGTH		2000VAC, 50/60Hz for 1 min(between current-carrying metal parts and exposed noncurrent-carrying metal parts) 2000VAC, 50/60Hz for 1 min(between control output terminals and operating circuit) 1000VAC, 50/60Hz for 1 min(between contacts not located next to each other)
VIBRATION RESISTANCE		Destruction: 10 to 55 Hz with 0.75-mm single amplitude each in 3 directions for 2 hours each Malfunction: 10 to 55 Hz with 0.5-mm single amplitude each in 3 directions for 10 minutes each
SHOCK RESISTANCE		Destruction: 1,000 m/s ² 3 times each in 6 directions Malfunction: 100 m/s ² 3 times each in 6 directions
AMBIENT TEMPERATURE		-10°C~+55°C
AMBIENT HUMIDITY		45~85%RH
DEGREE OF PROTECTION		IP40 (Panel Surface)
WEIGHT		Approx. 105g

CONNECTION DIAGRAMS



ORDERING INFORMATION

MODEL	TIME RANGE	VOLTAGE	OUTPUT	TRIGGER METHOD	Pin TYPE
H3CR-A8	1s ~ 100h	12~240VAC/DC	A/B Mode	Power Trigger	8pin
H3CR-A8X	1s ~ 100h	12~240VAC/DC	Time Limit 1C	Signal Trigger	
H3CR-A	1s ~ 100h	12~240VAC/DC	Time Limit 2C	Signal Trigger	11pin

TIMING CHARTS

●H3CR-A8

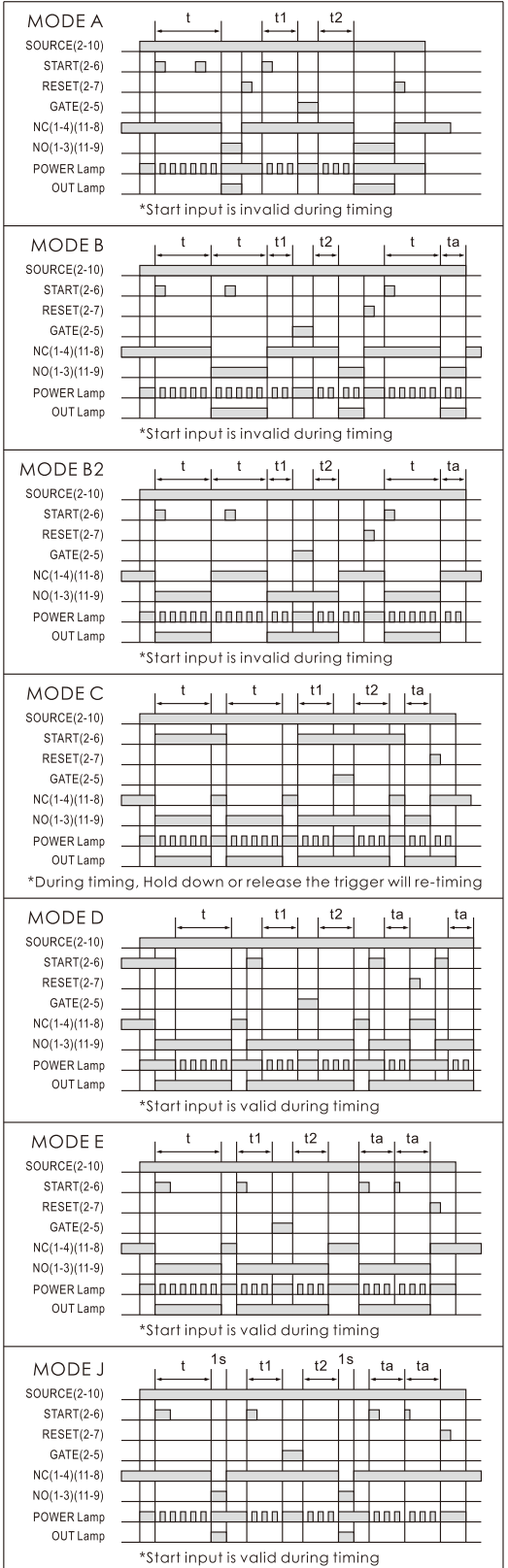
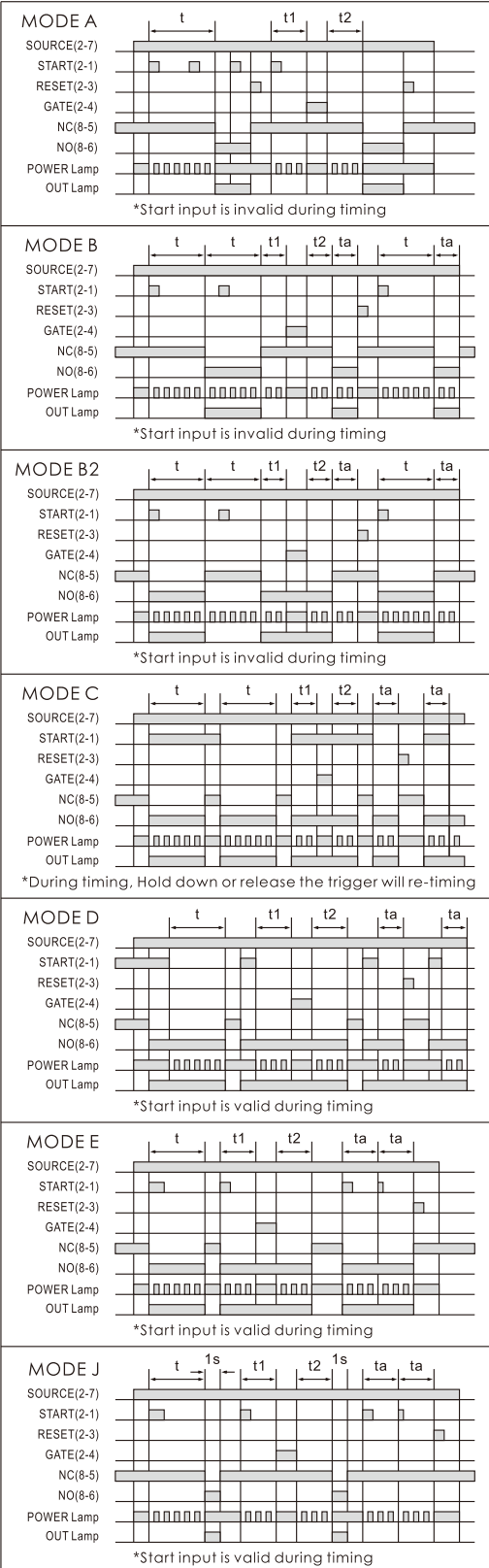
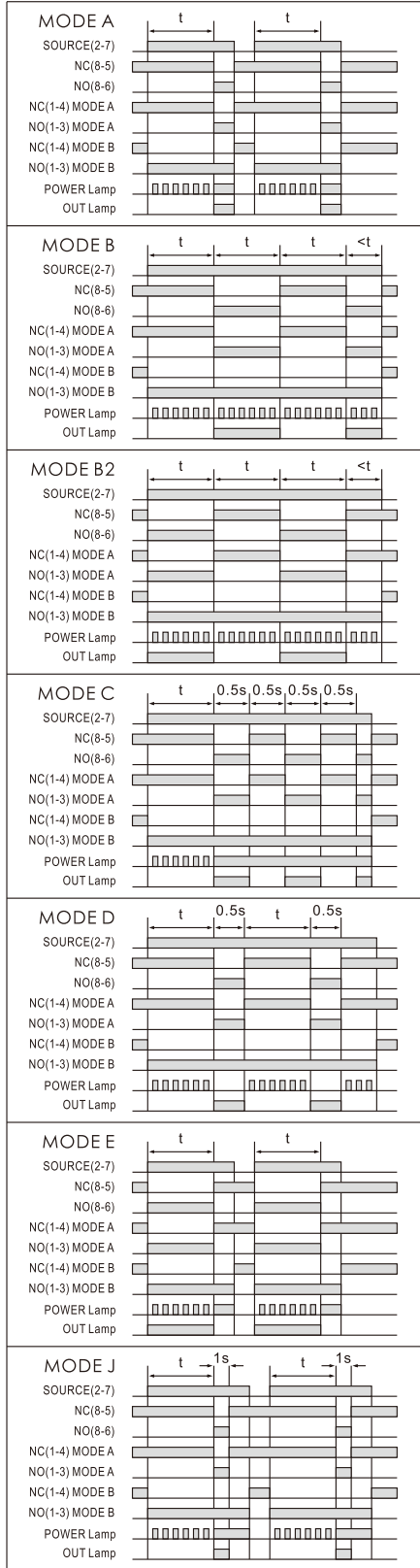
t = Setting time

●H3CR-A8X

t = Setting time = t₁ + t₂; t_a < t

●H3CR-A

t = Setting time = t₁ + t₂; t_a < t



OPERATION MODE DESCRIPTION

●H3CR-A8

●H3CR-A8X, H3CR-A

Mode A	ON delay	Power supply timing. Time up then RELAY ON.
Mode B	Flicker, OFF start	Power supply timing. Time up then RELAY ON and re-timing. Time up RELAY OFF. (Recycle)
Mode B2	Flicker, ON start	Power supply RELAY ON then start timing. Time up RELAY OFF and re-timing. (Recycle)
Mode C	ON delay after flicker	Power supply timing. Time up then RELAY ON then flicker every 0.5 seconds.
Mode D	Cycle pulse output	Power supply timing. Time up then RELAY ON then delay 0.5 seconds RELAY OFF. (Recycle)
Mode E	Interval	Power supply RELAY ON then start timing. Time up RELAY OFF.
Mode J	One-shot output	Power supply timing. Time up RELAY ON then delay 1 seconds RELAY OFF.

Mode A	Signal ON delay	Start timing after START signal trigger. Time up RELAY ON
Mode B	Signal ON flicker OFF start	Start timing after START signal trigger. Time up RELAY ON and re-timing then time up RELAY OFF. (Recycle)
Mode B2	Signal ON flicker ON start	RELAY ON after START signal trigger then start timing. Time up RELAY OFF and re-timing. (Recycle)
Mode C	Signal ON/OFF Delay	RELAY ON after Hold the START signal trigger and start timing. Time up RELAY OFF. (hold the START and release START trigger both re-timing)
Mode D	Signal OFF delay	RELAY ON after hold the START trigger but no timing. release START trigger then start timing. Time up RELAY OFF.
Mode E	Signal ON Interval	RELAY ON after START signal trigger then start timing. Time up RELAY OFF.
Mode J	One-shot output	Start timing after START signal trigger. Time up RELAY ON then delay 1seconds RELAY OFF.