



# H3C-R8 / H3C-R11

## MULTI-FUNCTION ANALOGUE TIMER User's Manual

### RESTRICTIONS ON USE

When using this product in applications that require particular safety or when using this product in important facilities, please pay attention to the safety of the overall system and equipment. Install fail-safe mechanisms, perform redundancy checks and periodic inspections and adopt other appropriate safety measures when it is necessary. This product is rated at Class II  $\square$ .

### SAFETY PRECAUTION

This manual uses the following symbols to ensure safe operation of this timer.

- WARNING** Warnings are indicated when mishandling this product might result in death or serious injury to user.
- CAUTION** Cautions are indicated when mishandling this product might result in minor injury to the user, or only physical damage to the timer.

### WARNING

- Note this incorrect wiring of this product can damage it and lead to other hazards. Make sure the product has been correctly wired before turning the power ON.
- Before wiring, or removing / mounting the product, be sure to turn the power OFF. Failure to do so might cause electric shock.
- Do not touch electrically charged parts such as the power terminals. Doing so might cause electric shock.
- Do not disassemble the product. Doing so might cause electric shock or faulty operation.

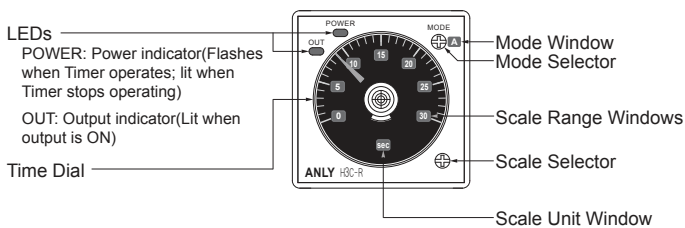
### CAUTION

- Use the product within the operating ranges recommended in the specification (temperature, humidity, voltage, shock, mounting direction, atmosphere etc.). Failure to do so might cause fire or faulty operation.
- Firmly tighten the wires to the socket. Insufficient tightening of the wires to the socket might cause fire.

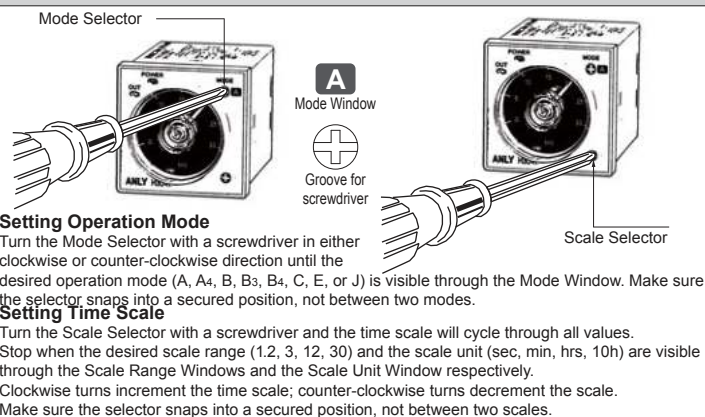
### SPECIFICATIONS

Operating voltage	AC/DC : 24 ~ 240V
Allowable operating voltage range	85 ~ 110% of rated operating voltage
Rated frequency	50 / 60Hz
Contact rating	250VAC 5A (Resistive load)
Reset time	MAX 0.1s
Power consumption	Approx. 3VA
Life	Mechanical : 5,000,000 times / Electrical : 100,000 times
Ambient temperature	-10 ~ +50 °C
Ambient humidity	MAX 85% RH
Weight	Approx. 100g

### NAMES AND FUNCTIONS OF FACEPLATE

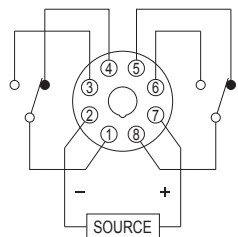


### BASIC SETTING

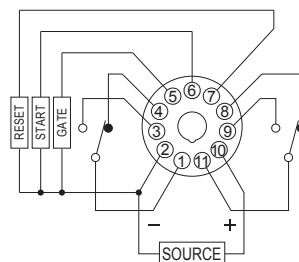


### CONNECTION

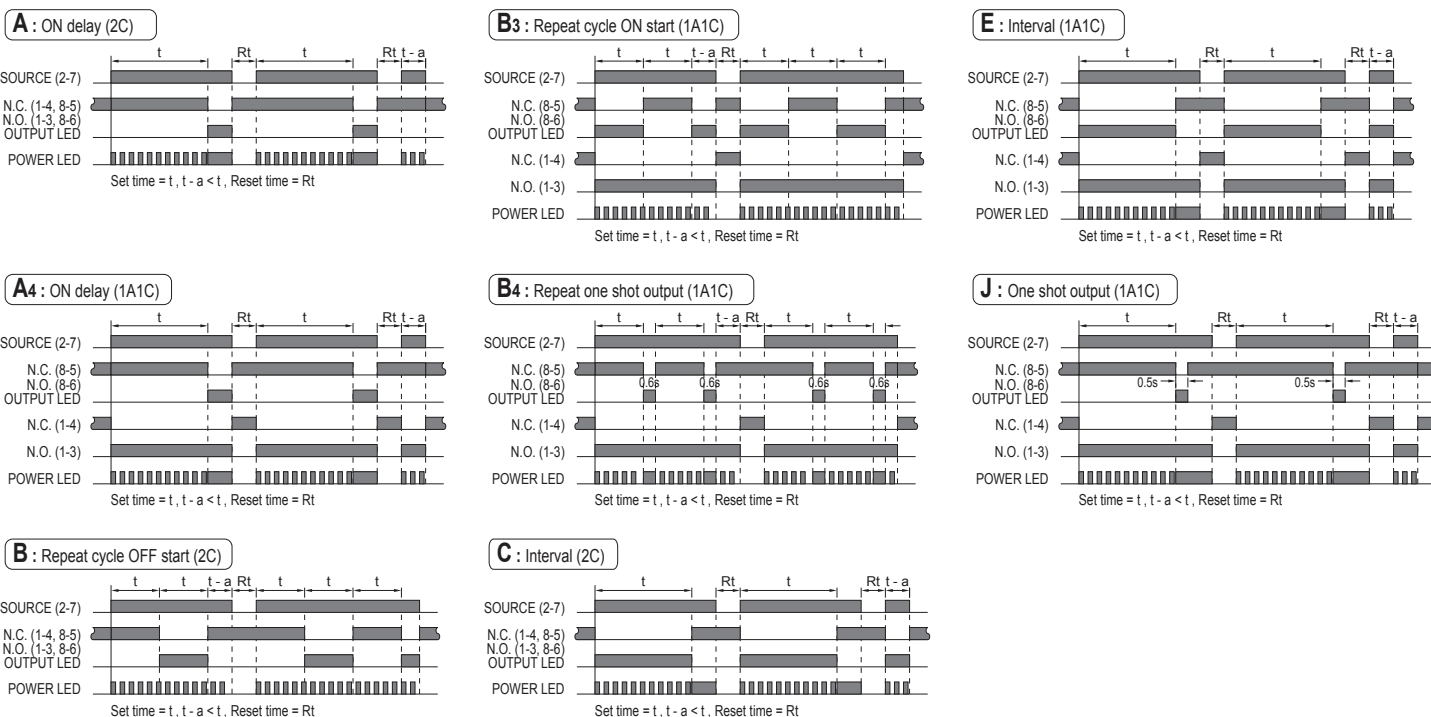
#### H3C-R8



#### H3C-R11

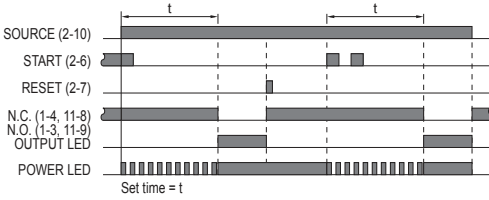


### TIMING CHART (Output mode) for H3C-R8

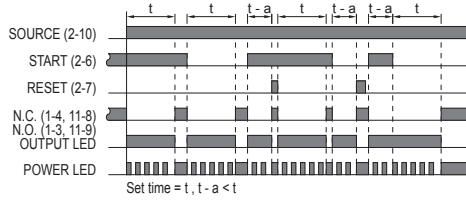


# TIMING CHART(Output mode) for H3C-R11

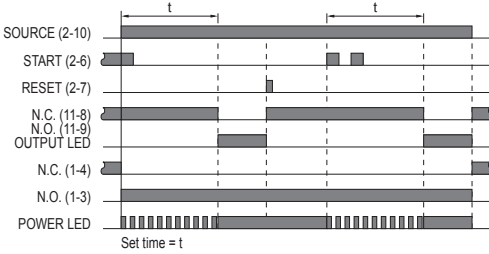
**A : ON delay (2C)**



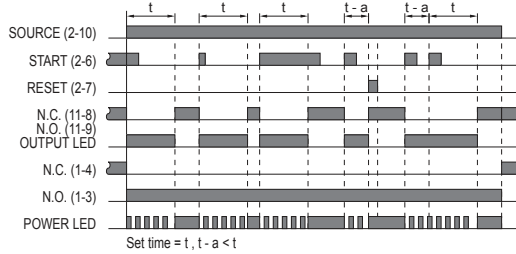
**C : Signal ON/OFF delay (2C)**



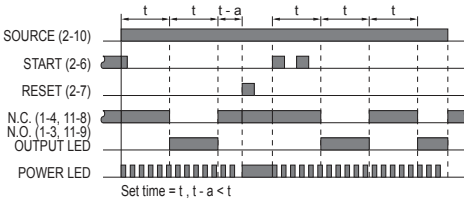
**A4 : ON delay (1A1C)**



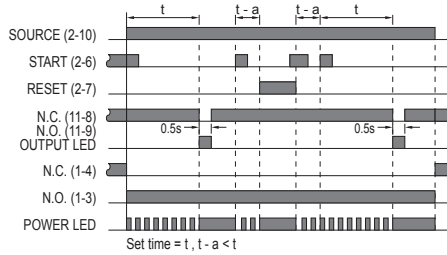
**E : Interval (1A1C)**



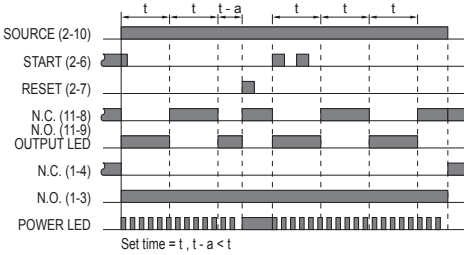
**B : Repeat cycle OFF start (2C)**



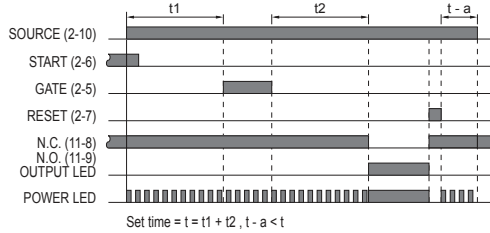
**J : One shot output (1A1C)**



**B3 : Repeat cycle ON start (1A1C)**

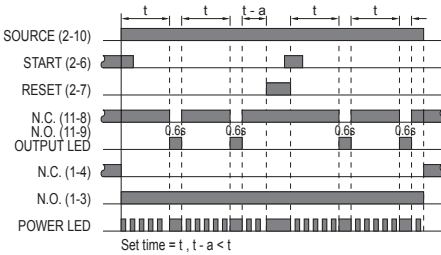


**Application of Gate terminal :**



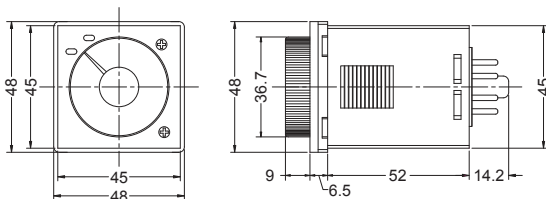
\*Note. While the start signal is ON, the timer starts when power comes ON or when the reset input goes OFF.

**B4 : Repeat one shot output (1A1C)**

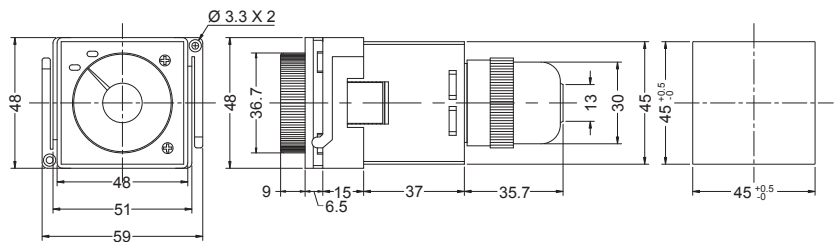


## DIMENSION(mm)

H3C-R8 or H3C-R11



H3C-R + Y-50 + US-08





# ANLY TIMER

## H3C-R MULTI-FUNCTION ANALOGUE TIMER



### CHARACTERISTICS :

- Wide operating voltage range in a single unit, AC/DC 24V~240V
- 8 field-selectable output modes for various applications
- 14 field-selectable time range, from 0.2 second to 300 hour
- Includes 2C output contacts, instantaneous output contact, flicker and interval modes
- Short body design, about 68 mm
- Adapter Y-57 for different flush mount
- UL, C-UL recognized and CE certified

### SPECIFICATION :

Operating voltage	AC/DC(V): 24~240
Allowable operating voltage range	85~110% of rated operating voltage
Rated frequency	50 / 60 Hz
Contact rating	250VAC 5A (resistive load)
Reset time	MAX 0.1s
Power consumption	Approx. 3VA
Life	Mechanical: 5,000,000 times Electrical: 100,000 times
Ambient temperature	-10 ~ +50°C
Ambient humidity	MAX 85%RH
Weight	Approx. 100g

### TYPE SELECTION :

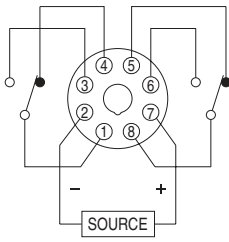
Type	H3C-R8	H3C-R11
Time range	1.2s / 3s / 12s / 30s / 1.2m / 3m / 12m / 30m / 1.2h / 3h / 12h / 30h / 120h / 300h	
Output contact	2C or 1A1C	2C(1A1C) + G Type
External Reset	- - - -	○
External Start	- - - -	○
External Gate	- - - -	○

Product is subject to change without notice.

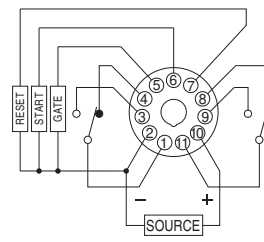
ANLY

# CONNECTION :

H3C-R8



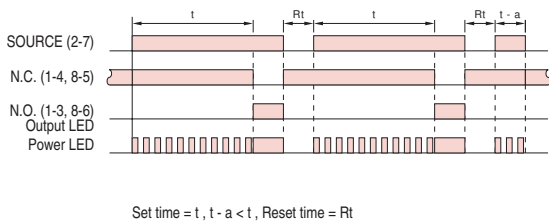
H3C-R11



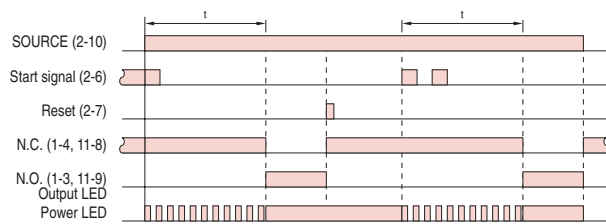
# TIMING CHART :

H3C-R8

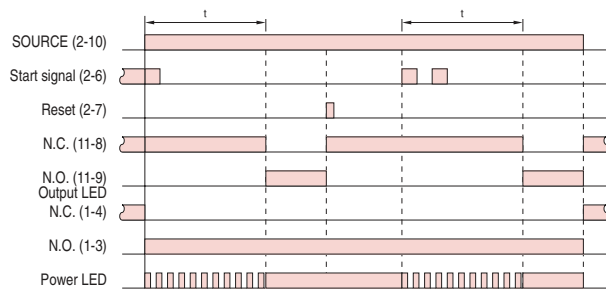
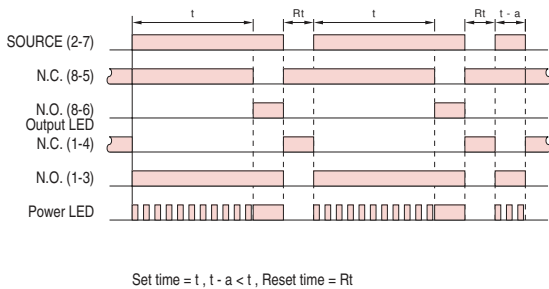
Output mode **A** : ON delay(2C)



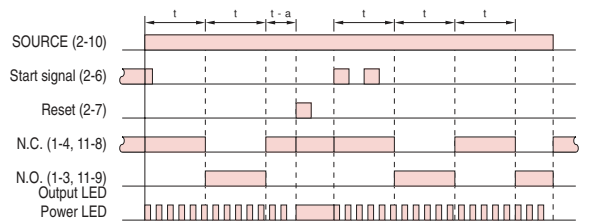
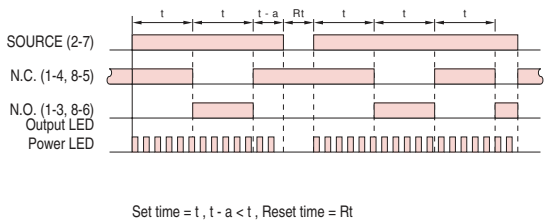
H3C-R11



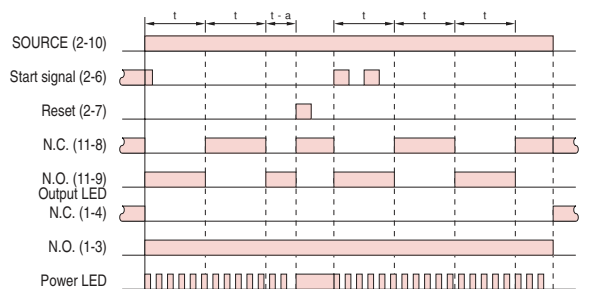
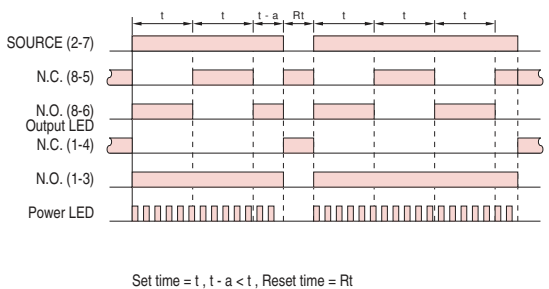
Output mode **A4** : ON delay(1A1C)



Output mode **B** : Repeat cycle OFF start(2C)

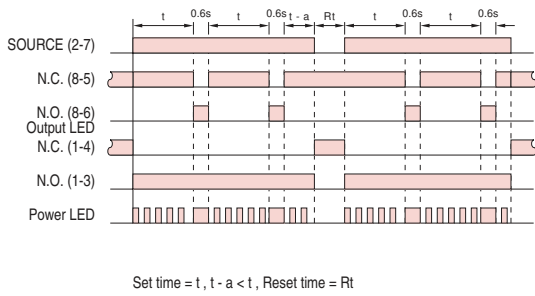


Output mode **B3** : Repeat cycle ON start(1A1C)

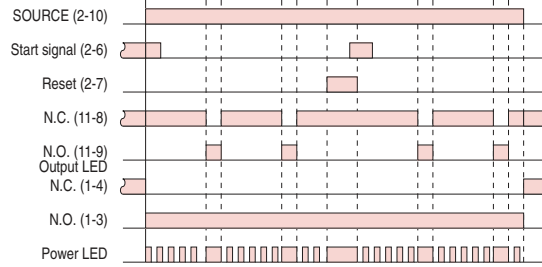


### H3C-R8

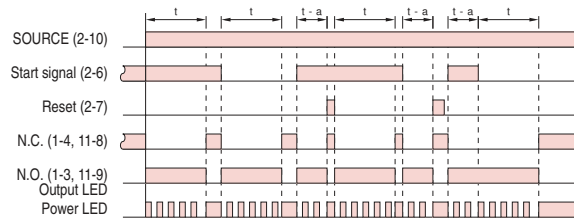
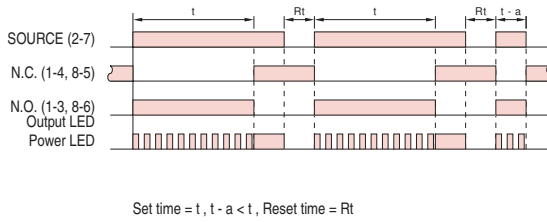
#### Output mode **B4** : Repeat one shot output(1A1C)



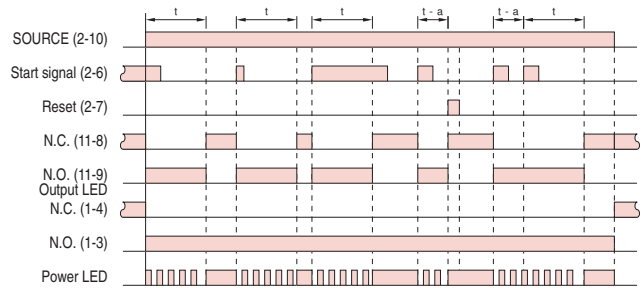
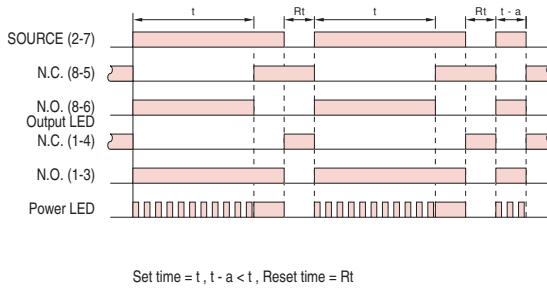
### H3C-R11



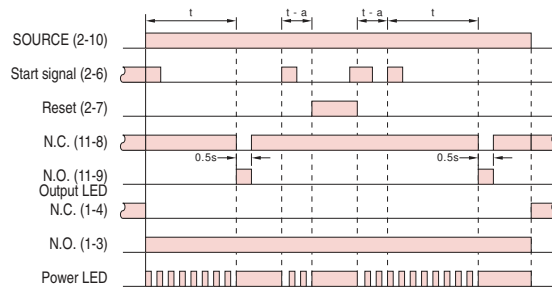
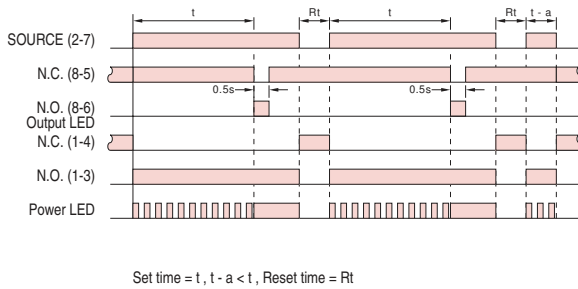
#### Output mode **C** : Signal ON/OFF delay(2C)



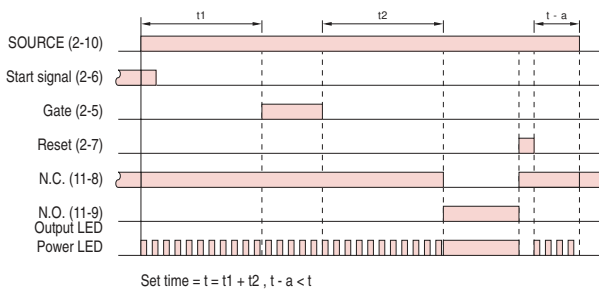
#### Output mode **E** : Interval(1A1C)



#### Output mode **J** : One shot output(1A1C)

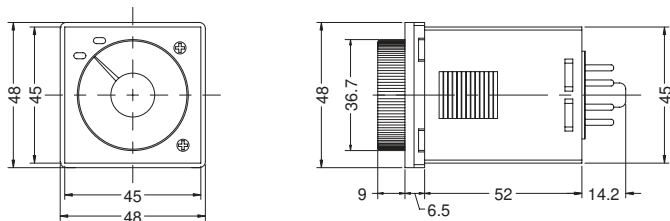


#### Application of Gate terminal :

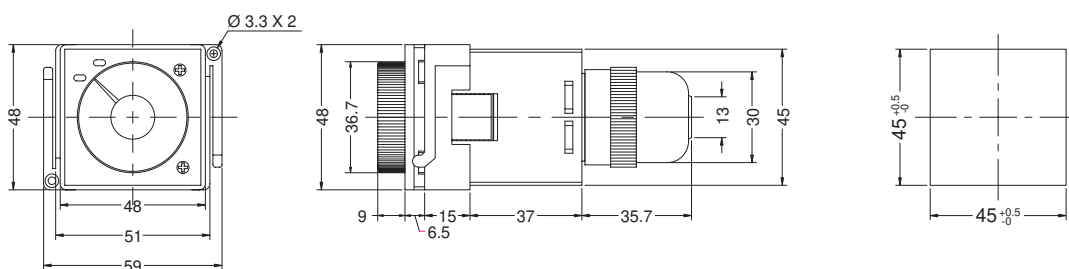


## DIMENSIONS : (mm)

N type(Surface Mounting): Using P2CF-08 , PF085A Socket or  
PF113A Socket(for H3C-R11 use only)



Y type(Flush Mounting): Using Y50 Frame & US-08 Socket , P3G-08 Socket



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