

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 failsafe mechanisms, perform redundancy checks and periodic inspections and adopt other appropriate safety measures when it is necessary. This product is rated at Class II .

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INST. T.D.

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SOURCE

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SOURCE

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

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

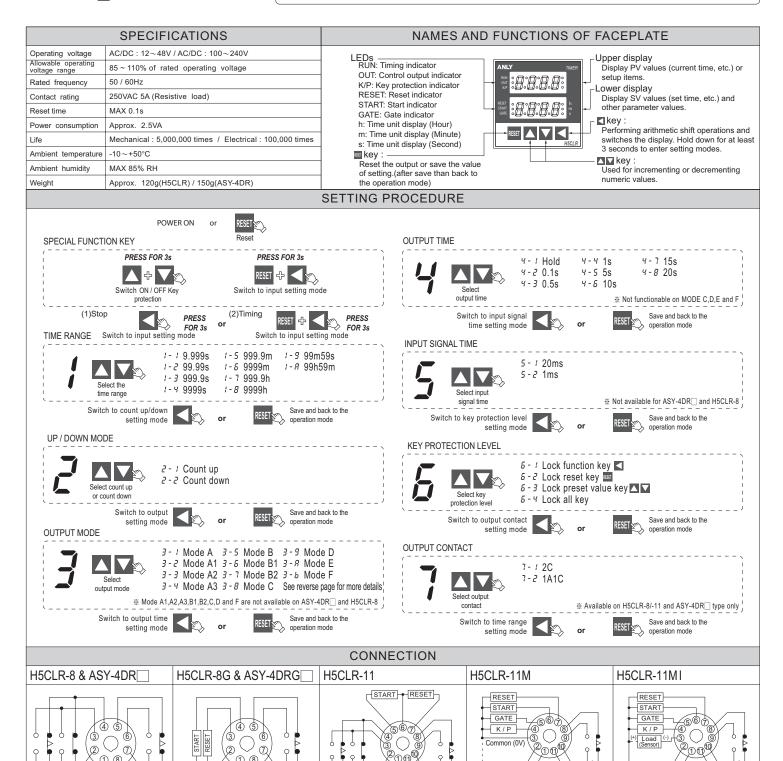
↑ CAUTION

MARNING

- 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 and 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.



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SOURCE

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FOZOF T.D. INST Common (0V)

SOURCE

NPN type

+12VDC(50 m/

SOURCE

PNP type

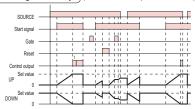
(Sensor) 12 VDC(50 r

TIMING CHART(Output mode)

(A : Signal ON delay 1) (Timer resets when power comes ON.) 1 1 Gate -

Timing starts when the start signal goes ON. *Note1 The control output is controlled using a sustained or one-shot time period.

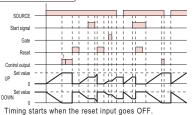
A-1: Signal ON delay 2 (Timer resets when power comes ON.)



Timing starts when the start signal goes ON, and is reset when the start signal goes OFF. *Note1

The control output is controlled using a sustained or oneshot time period.

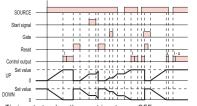




The start signal disables the timing function (ie., same function as the gate input).

The control output is controlled using a sustained or one-shot time period.

A-3 : Power ON delay 2 (Timer dose not reset when power comes ON.)

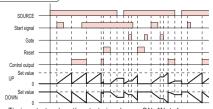


Timing starts when the reset input goes OFF

The start signal disables the timing function (ie., same function as the gate input).

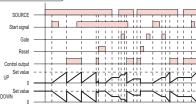
The control output is controlled using a sustained or one-shot time period.

B: Repeat cycle 1 (Timer resets when power comes ON.)



Timing starts when the start signal goes ON. *Note1 The status of the control output is reversed when time is up (OFF at start).

(B-1: Repeat cycle 2) (Timer dose not reset when power comes ON.)



Timing starts when the start signal goes ON. *Note1 The status of the control output is reversed when time is up (OFF at start).

B-2 : Repeat cycle ON start) (Timer resets when power comes ON.)



Timing starts when the start signal goes ON. *Note1 The status of the control output is reversed when time is up (OFF at start).

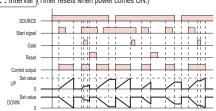
The timer is reset when the time is up. E: Interval (Timer resets when power comes ON.)

H H !!

Gate -

Reset -

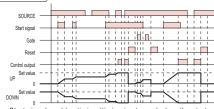
 $(\mathsf{D} : \mathsf{Signal} \, \mathsf{OFF} \, \mathsf{delay})$ Timer resets when power comes ON.)



The control output is ON when the start signal is ON (except when the power is OFF or the reset is ON).

Timing starts when the start signal comes ON. *Note1 The control output is reset when time is up.

F: Cumulative (Timer does not reset when power comes ON.)



Start signal enables timing (timing is stopped when the start signal is OFF or when the power is OFF)

A sustained control output is used.

C: Signal ON/OFF delay (Timer resets when power comes ON.)

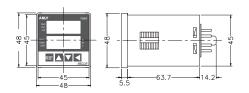


Timing starts when the start signal goes ON or OFF The status of the control output is ON when the start signal goes ON or OFF.

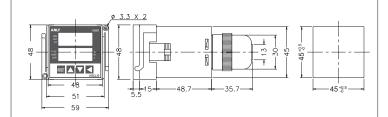
*Note1. While the start signal is ON, the timer starts when power comes ON or when the reset input goes OFF.

DIMENSION(mm)

H5CLR H5CLR + Y-50 + US-08







ASY-4DRN / ASY-4DRGN

