



H5CLR / ASY- 4DR

MULTI-FUNCTION DIGITAL 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 □.

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 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.

SPECIFICATIONS		NAMES AND FUNCTIONS OF FACEPLATE		
Operating voltage	AC/DC : 12~48V / AC/DC : 100~240V	LEDs RUN: Timing indicator OUT: Control output indicator K/P: Key protection indicator RESET: Reset indicator START: Start indicator GATE: Gate indicator h: Time unit display (Hour) m: Time unit display (Minute) s: Time unit display (Second) key : Reset the output or save the value of setting.(after save than back to the operation mode)		
Allowable operating voltage range	85 ~ 110% of rated operating voltage			Upper display Display PV values (current time, etc.) or setup items.
Rated frequency	50 / 60Hz			Lower display Display SV values (set time, etc.) and other parameter values.
Contact rating	250VAC 5A (Resistive load)			key : Performing arithmetic shift operations and switches the display. Hold down for at least 3 seconds to enter setting modes.
Reset time	MAX 0.1s			key : Used for incrementing or decrementing numeric values.
Power consumption	Approx. 2.5VA			
Life	Mechanical : 5,000,000 times / Electrical : 100,000 times			
Ambient temperature	-10 ~ +50°C			
Ambient humidity	MAX 85% RH			
Weight	Approx. 120g(H5CLR) / 150g(ASY-4DR)			

SETTING PROCEDURE

POWER ON or **RESET** key

SPECIAL FUNCTION KEY

- 1** **PRESS FOR 3s** **key** : Switch ON / OFF Key protection
- 2** **RESET + key** **PRESS FOR 3s** : Switch to input setting mode

TIME RANGE Switch to input setting mode **key** or **RESET** key

1-1	9.999s	1-5	999.9m	1-9	99m59s
1-2	99.99s	1-6	9999m	1-8	99h59m
1-3	999.9s	1-7	999.9h		
1-4	9999s	1-8	9999h		

Switch to count up/down setting mode **key** or **RESET** key

UP / DOWN MODE

2-1	Count up
2-2	Count down

Switch to output setting mode **key** or **RESET** key

OUTPUT MODE

3-1	Mode A	3-5	Mode B	3-9	Mode D
3-2	Mode A1	3-6	Mode B1	3-8	Mode E
3-3	Mode A2	3-7	Mode B2	3-b	Mode F
3-4	Mode A3	3-8	Mode C		

※ Mode A1,A2,A3,B1,B2,C,D and F are not available on ASY-4DR □ and H5CLR-8 □

Switch to output time setting mode **key** or **RESET** key

OUTPUT TIME

4-1	Hold	4-4	1s	4-7	15s
4-2	0.1s	4-5	5s	4-8	20s
4-3	0.5s	4-6	10s		

Switch to input signal time setting mode **key** or **RESET** key

INPUT SIGNAL TIME

5-1	20ms
5-2	1ms

Switch to key protection level setting mode **key** or **RESET** key

KEY PROTECTION LEVEL

6-1	Lock function key key
6-2	Lock reset key RESET
6-3	Lock preset value key key
6-4	Lock all key

Switch to output contact setting mode **key** or **RESET** key

OUTPUT CONTACT

7-1	2C
7-2	1A1C

Switch to time range setting mode **key** or **RESET** key

※ Available on H5CLR-8/-11 and ASY-4DR □ type only

CONNECTION



