



H7E - C / T / R

TOTAL COUNTER / TIME COUNTER

DIGITAL TACHOMETER

User's Manual

SAFETY PRECAUTION

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



WARNING

Warnings are indicated when mishandling this controller might result in death or serious injury to user.



CAUTION

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



WARNING

- Note this incorrect wiring of this controller can damage it and lead to other hazards. Make sure the controller has been correctly wired before turning the power ON.
- Before wiring, or removing / mounting the controller, 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 controller. Doing so might cause electric shock or faulty operation.



CAUTION

- Use the controller 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 terminal screws. Insufficient tightening of terminal screws might cause electric shock or fire.

RESTRICTIONS ON USE

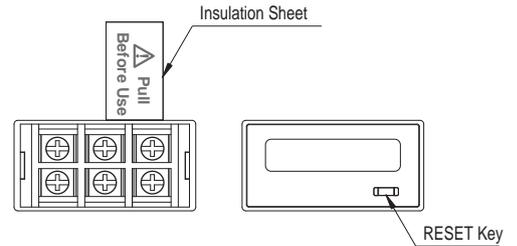
When using this product in applications that require particular safety or when using this product in important facilities, please pay attention to the safety of the overall system and equipment. Install fail-safe mechanisms, perform redundancy checks and periodic inspections and adopt other appropriate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

SPECIFICATION

| | | | |
|--------------------------------|--|--------------------|----------------|
| Battery Voltage | DC: 3V(Battery: CR123A) | H7E-C Max. speed | 30Hz, 1KHz |
| Battery Life | H7E-C/R:7 years min. · H7E-T:10 years min. (at 25°C) | H7E-CM Max. speed | 20Hz |
| Supply Voltage | For backlight : AC/DC 24V | H7E-R Max. speed | Encoder Speed |
| Allowable Supply Voltage Range | 85 ~ 110% of rated operating voltage | H7E-RA: 1000 rps | 1 pulse/rev. |
| Rated Frequency | 50 / 60 Hz | H7E-RA: 1000 rpm | 60 pulse/rev. |
| Power Consumption | Approx. 0.8W/2.4VA | H7E-RB: 1000.0 rps | 10 pulse/rev. |
| Ambient Temperature | -10 ~ +50 °C | H7E-RB: 1000.0 rpm | 600 pulse/rev. |
| Ambient Humidity | MAX 85% RH | H7E-RB: 10000 rpm | 60 pulse/rev. |
| Altitude | MAX 2000m | | |
| Weight | Approx. 62g | | |

USAGE

*Be sure to remove the insulation sheet before use.



BATTERY REPLACEMENT

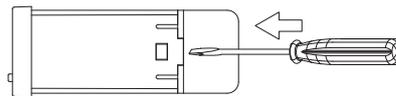
1. Use a flat head screwdriver to pry open the lift-tab on the both sides of the case.

2. Pull the body out of its outer case.

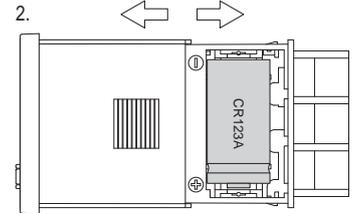
3. Remove the battery and insert the new one.

Ensure that the positive (+) and the negative (-) terminals are correctly aligned. Please complete this step within 30 second to preserve the existing value.

1.

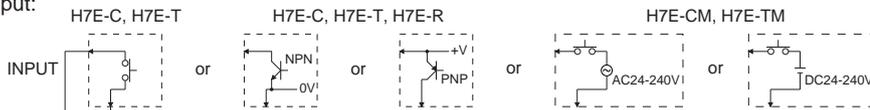


2.



CONNECTION AND SWITCH

1. Input:

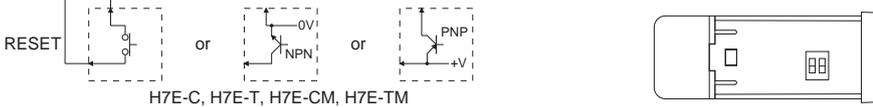


3. DIP Switch:

| DIP | \square \square | | \square \square | |
|----------|---------------------|------------|---------------------|----------|
| Function | Speed / Range | | Key-protect | |
| H7E-C | 30Hz | 1KHz | K / P OFF | K / P ON |
| H7E-CM | 20Hz | | K / P OFF | K / P ON |
| H7E-TA | 9999d23.9h | 999999.9h | K / P OFF | K / P ON |
| H7E-TB | 9999h59.9m | 999h59m59s | K / P OFF | K / P ON |
| H7E-RA | 1000rpm/rps | | N/A | N/A |
| H7E-RB | 10000rpm | | 1000.0rpm/rps | N/A |

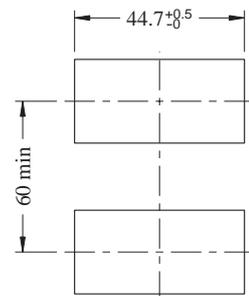
*H7E-C and H7E-T must be reset after changing Speed / Range.

2. Reset:

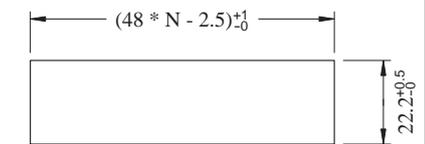


PANEL CUTOUT(mm)

1. Single Unit



2. Multiple Units



N=No. of units

DIMENSIONS(mm)

