Digital Quartic Timer

SESTOS™

M A N U A L   Model: B3S

■ Features

- DIN(48X48mm) Digital timer
- 0.01s-99h99m time range with quartic time set value individual, output for A, C period
- One shot or cycle time mode
- MCU for digital control, High accuracy and reliability
- 0.39" height LED, prevent dazzle panel, highly visible display
- Contact or No-voltage (NPN) input
- Tact switch for up or down set value, easily operate
- Key lock function, prevent mistake operation
- Switching power supply and low consumption

※Thank you very much for selecting **SESTOS** products, Please read and understand this MANUAL before using this unit.

C E

■ Safety Precautions

⚠ This product must be mounted on the panel, avoid electric shock.

⚠ When the power is turned on, is not connecting the terminal, avoid electric shock.

- Ensure the product within the specification.
- Never disassemble, repair or modify the product, if needed please contact agent or us
- Do not use the product in locations subject to gases, dust, vibration, corrosive direct sunlight, water and oil, strong EMI

■ Specification

- Power and input: The power supply and input circuit are isolated.
- Voltage(Ordering):   AC 100-240V ±10% 50/60Hz ≤5VA
                       AC/DC 12-24V ±10% ≤4VA
- Timer range: A,B,C,D   0.01s-99h99m time range set value individual
- Character :   PV: 4 digital 9.9mm height, high light red LED
                    SV: 4 digital 8.0mm height, high light green LED
- Contact output: AC 250V 3A(Resistive load)   A.C. Two Relay NO/NC
- Life expectancy: Mechanical: 10,000,000 operations min.
                    Electrical: 100,000 operations min.
- Accuracy: 0.1% ±0.05s
- Control signals: ≥5ms (Gate)
- Control type: Contact/No-voltage input(NPN)
- Start timing: ≥100ms
- Reset method: Power on/Manual
- Cutout size: 45X45 mm
- Mounting Method: Flush mounting and screw terminals
- Weight: Approx.130g
- Ambient temperature: Operating: -10～55℃ (with no icing or condensation)
                    Storage: -25～65℃ (with no icing or condensation)
- Ambient humidity: 35～85% RH

■ Nomenclature
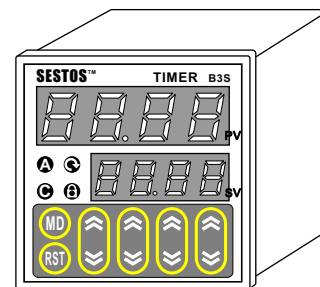
MD :Mode
RST :Reset
≈ :Up
≋ :Down
PV :Present Value
SV :Set Value

Indicator:
- **Ⓐ**: A period Output
- **Ⓒ**: C period Output
- **ⓢ**: Light--Reset; Blink--Pause
- **ⓑ**: Key Lock
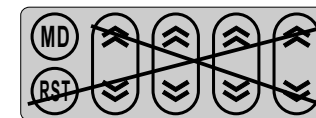
fig 1

■Setting
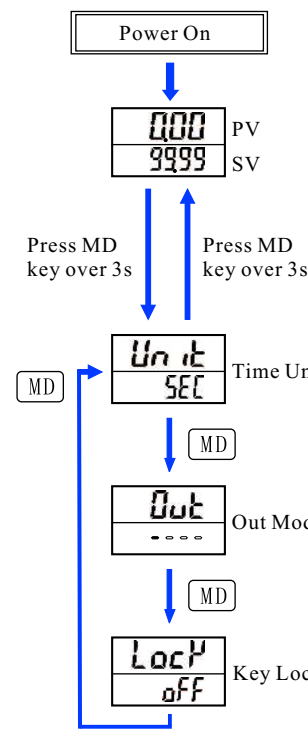
Power On

PV
SV

Press MD key over 3s   Press MD key over 3s

Un it
SEC   Time Unit

Out   Out Mode

LocY
oFF   Key Lock

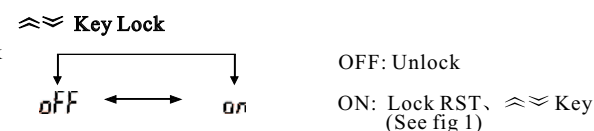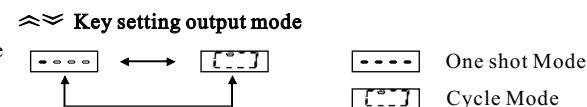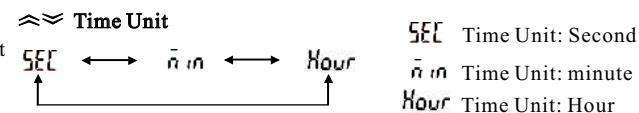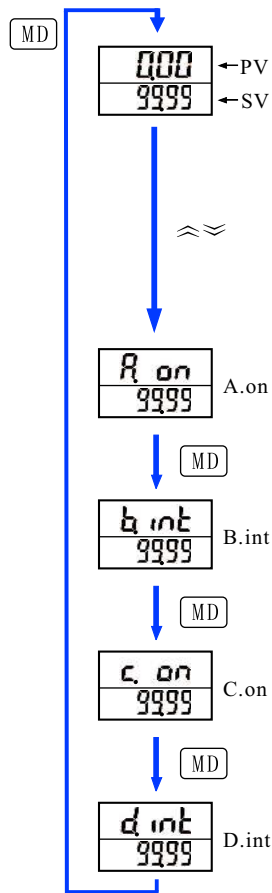＊1.Chang the run mode to setting mode the operation is continuous.

＊2.Return to the run mode and automatic reset when change the function setting .

＊3.When function mode , four "≈" and "≋" key is same function. If no change the setting return to the run mode after 60 second, and the setting is saved same time automatic reset.
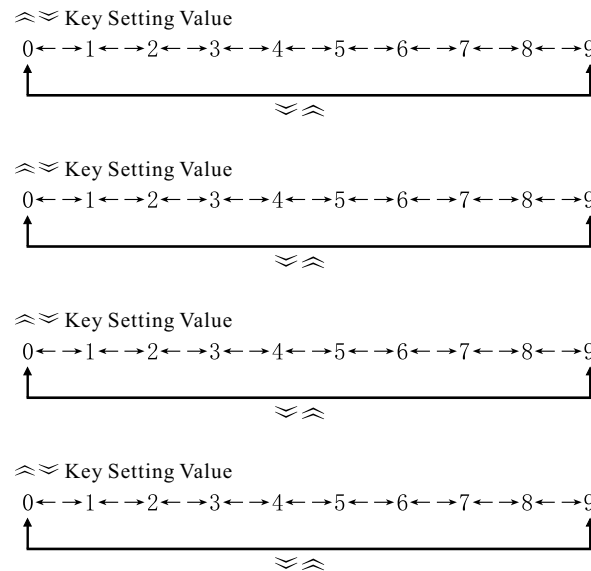
≈≋ Time Unit

SEC ⟷ **n̄ in** ⟷ **Hour**

SEC   Time Unit: Second
n̄ in   Time Unit: minute
Hour   Time Unit: Hour

≈≋ Key setting output mode

One shot Mode
Cycle Mode

≈≋ Key Lock

oFF ⟷ **on**

OFF: Unlock
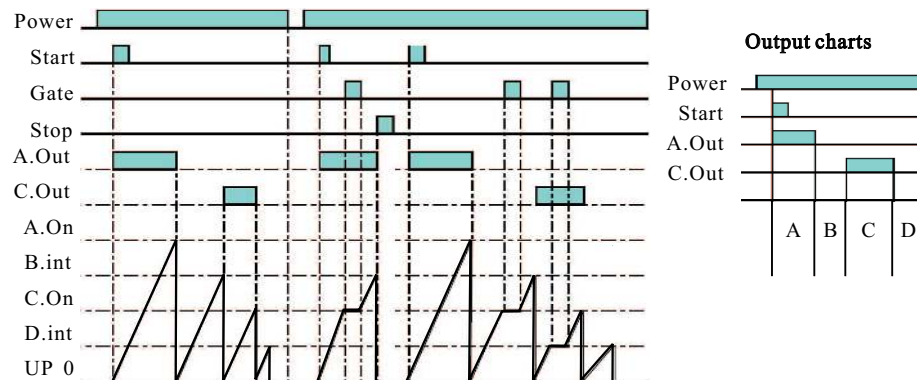ON: Lock RST、≈≋ Key (See fig 1)

Run Mode

MD

PV
SV

≋≋ **Key Setting Value**

＊1.Chang the run mode to setting mode the operation is continuous.

＊2.Return to the run mode and automatic reset when change the function setting .

＊3.When press ≋ or ≋ key, turn to the set value mode, setting digital will blink. Press or push the key for change the value. If no any change, return to the run mode after 30 second, and the setting is saved same time automatic reset.
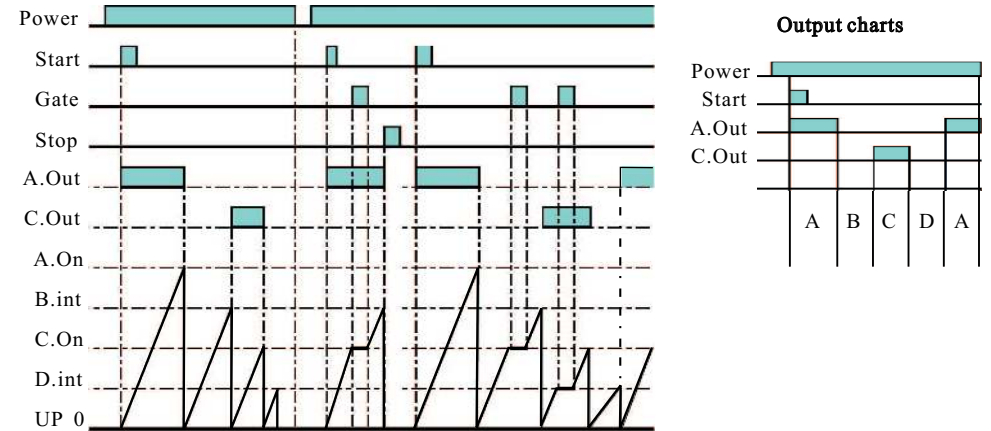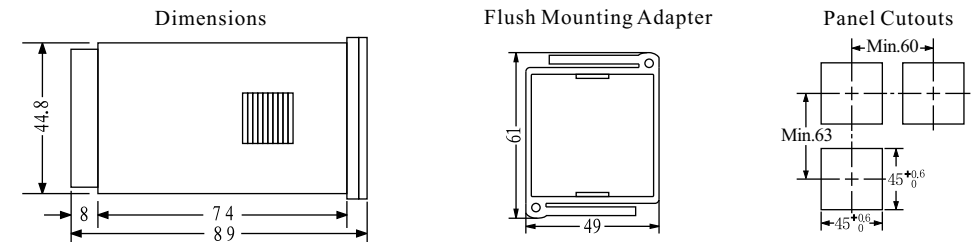
A.on

≋≋ Key Setting Value

0← →1← →2← →3← →4← →5← →6← →7← →8← →9

MD

B.int

≋≋ Key Setting Value

0← →1← →2← →3← →4← →5← →6← →7← →8← →9

MD

C.on

≋≋ Key Setting Value

0← →1← →2← →3← →4← →5← →6← →7← →8← →9

MD

D.int

≋≋ Key Setting Value

0← →1← →2← →3← →4← →5← →6← →7← →8← →9

■Operation Charts

One Shot Mode

Output charts

Cycle Mode

Output charts

■ Dimensions with Flush Mounting Adapter
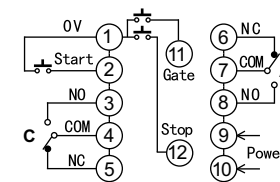
Dimensions   Flush Mounting Adapter   Panel Cutouts

※All units are in millimeters unless otherwise indicated.
※Flush mounting adapter: YX-Y1 (Provided)

■ Terminal Arrangement

■ Precautions

● Separate the input signal cables from the power line.
● Short connecting wire from the sensor to the product is the best, if not please using shield cable.
● Use and store the product within the ratings specified for temperature and humidity
● The period of power off to on must be over 1 s

※**Specifications and design subject to modifications without notice**

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