SESTOS™

Digital Twin Timer

M A N U A L **Model: B2E**

■ Features

- DIN(48X48mm) Digital timer
- 0.01s-99h99m time range with twin time set value individual, output for A, B period
- One shot or cycle time mode, up or down mode available.
- MCU for digital control, High accuracy and reliability
- 0.39" height LED, prevent dazzle panel, highly visible display
- NPN and PNP input switchable
- 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.

■ Safety Precautions

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

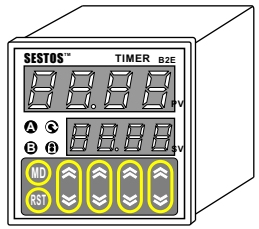
⚠ When the power is turned on, is not connecting the terminal, avoid electric shock.

- 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	0.01s-99h99m time range with twin time set value individual, UP or DOWN Mode output for A, B period
● 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: NO/NC B: NO
● Life expectancy:	Mechanical: 10,000,000 operations min. Electrical: 100,000 operations min.
● Accuracy:	0.1% ±0.05s
● Control signals:	≥5ms (Reset, Gate)
● Control type:	Contact/No-voltage input(NPN), Voltage (PNP)
● External power:	DC 12V/50mA(Max.) for sensor use only.
● Start timing:	≥100ms
● Reset method:	Power on/External/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
Ⓑ: B period Output
Ⓢ: Light--Reset; Blink--Pause
Ⓐ: Key Lock

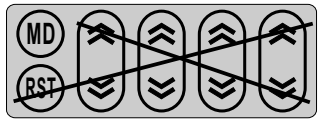
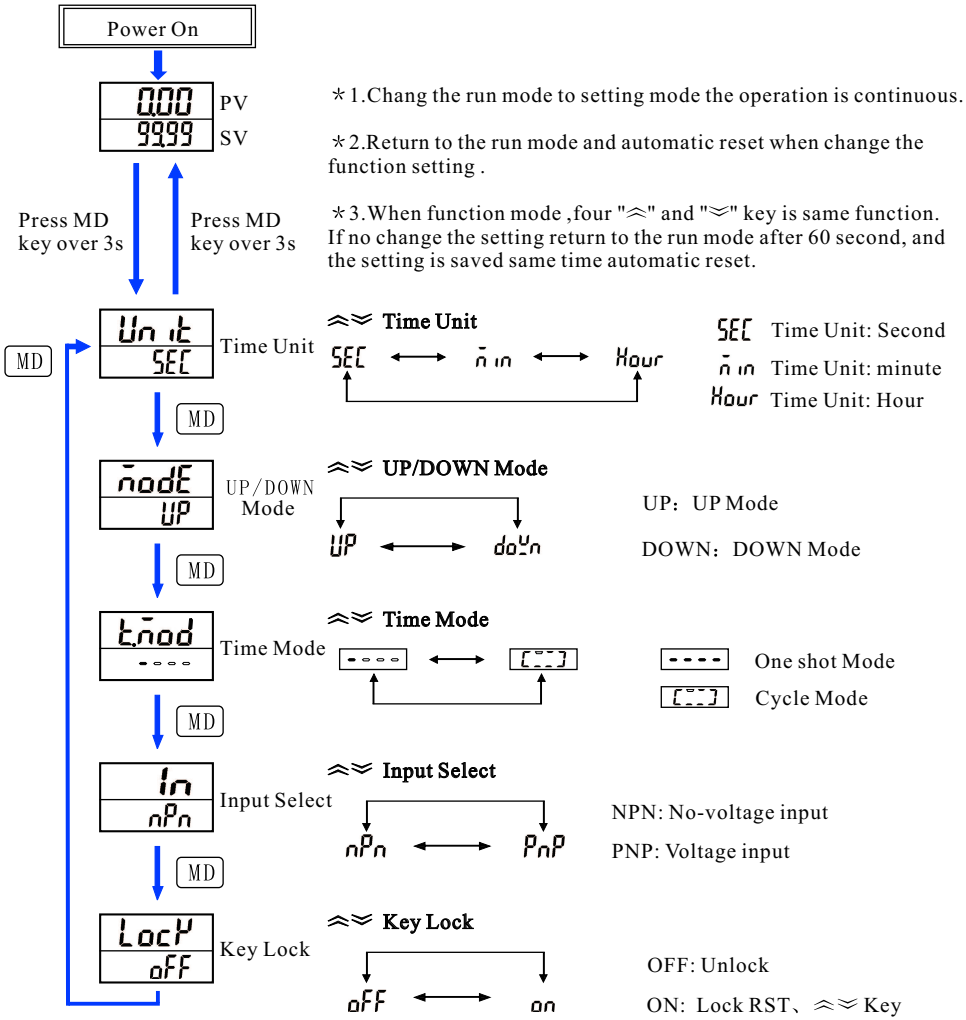


fig 1

■ Setting



＊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.

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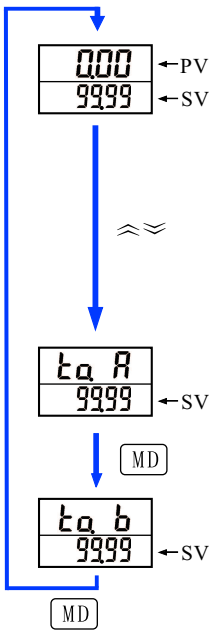
Run Mode

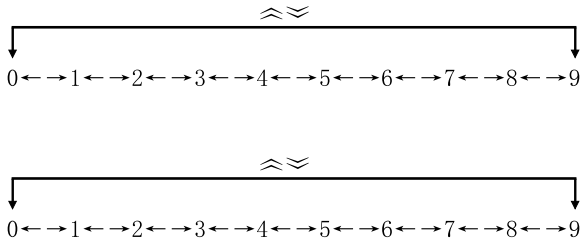


≪≫ Key Setting Value

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

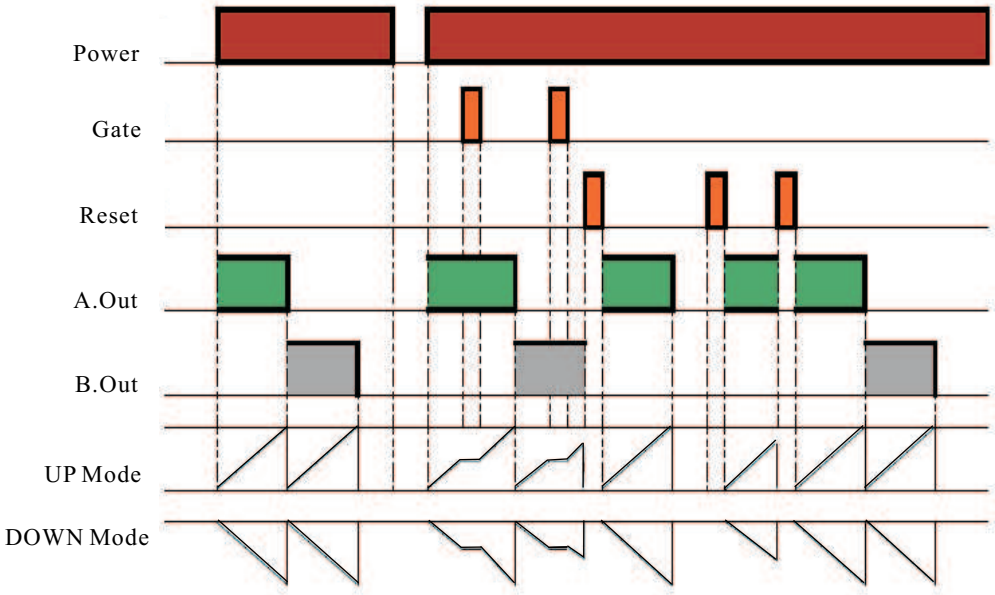
＊2.Return to the run mode and automatic reset when change the function setting .

＊3.When press ≪ or ≫ key, PV display To.a push [MD] turn to To.b. When the digital blink in SV, press or push the ≪ or ≫ key for value setting. After, push [MD] return to run mode. If no any change, return to the run mode after 30 second, and the setting is saved sam etime automatic reset.



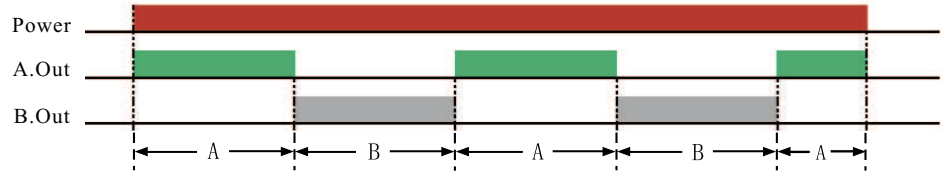
Note: When Time Mode is one shot Mode, to.b is disabled.

■Operation Charts



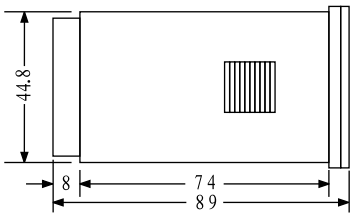
One shot Mode: A output when power on, B output when time up.

Cycle Mode: A output when power on, B output when A time up. When B time up, repeat A operate.

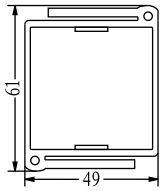


■ Dimensions with Flush Mounting Adapter

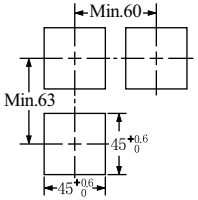
Dimensions



Flush Mounting Adapter

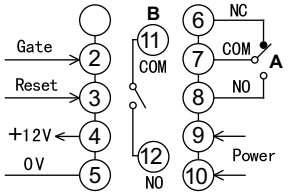


Panel Cutouts



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

■ Terminal Arrangement



※+12V(Max.50mA) for sensor use only

■ 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, Suggestion use terminal for reset

※Specifications and design subject to modifications without notice

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