

SESTOS™

Digital Timer

MANUAL

Model: B1S

■ Features

- DIN(48X48mm) Digital timer
- 0.01s-99h99m time range with UP/DOWN mode
- MCU for digital control, High accuracy and reliability
- 0.39" height LED, prevent dazzle panel, highly visible display
- Coded switch for set value easily
- 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

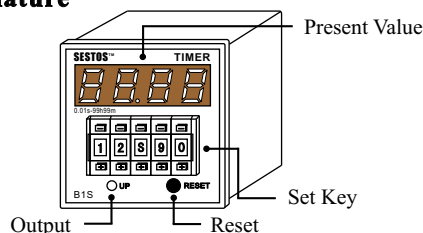
- ▲ This product must be mounted on the panel, avoid electric shock.
- ▲ When the power is turned on, is not connecting the terminal, avoid electric shock.

- 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 $\pm 10\%$ 50/60Hz $\leq 5VA$
AC/DC 12-24V $\pm 10\%$ $\leq 4VA$
- Character : 4 Digitals 0.39"(9.9mm)height 7-segment red LED
- Contact output: AC 250V 3A(Resistive load) NO/NC
- Life expectancy: Mechanical: 10,000,000 operations min.
Electrical: 100,000 operations min.
- Accuracy: 0.1% $\pm 0.05s$
- Control signals: $\geq 5ms$ (Reset, Gate)
- Control type: Contact/No-voltage input(NPN)
- External power: DC 12V/50mA(Max.) for sensor use only.
- Start timing: $\geq 100ms$
- 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°C (with no icing or condensation)
Storage: -25~65°C (with no icing or condensation)
- Ambient humidity: 35~85% RH

■ Nomenclature



- The decimal point blink when operation, light when output or gate operation.

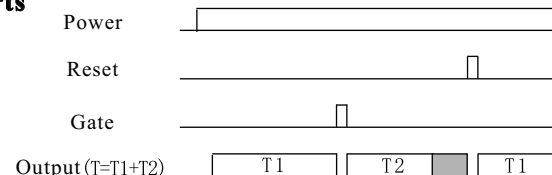


■ Setting operation (T1)

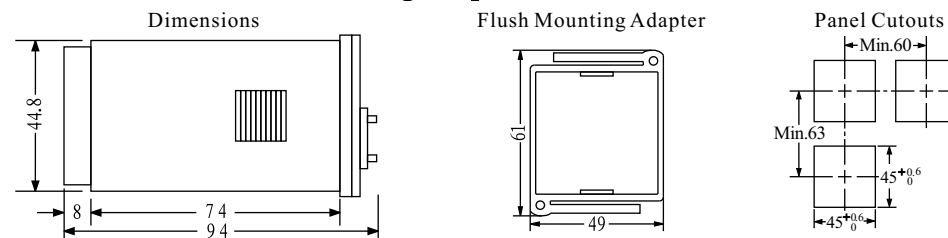
UP Mode	H	1m-99h99m	From 0 to Setting Value
	M	1s-99m99s	
	S	0.01s-99.99s	
DOWN Mode	\overline{H}	1m-99h99m	From Setting Value to 0
	\overline{M}	1s-99m99s	
	\overline{S}	0.01s-99.99s	

- Press the "+" or "-" button of panel to change the setting value
- When the value is changed, operate the new setting value after reset

■ Timing Charts



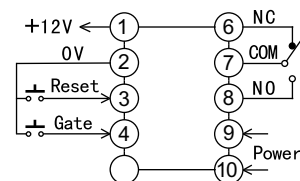
■ Dimensions with Flush Mounting Adapter



※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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