Micro processor timer relay

BT100

INSTRUCTION MANUAL

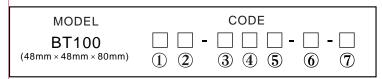
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Carefully readall the instructions in this manual. Please place this manualin a convenient location for easy reference.

WARNING

- An external protection device must be installed iffailure of this instrument could result in damage to the instrument, equipment or injury to personnel
- All wiring must be completed before power in turned on to prevent electric shock, fire or damage to instrument and equipment .
- This instrument must be used in accordance with the specifications to prevent fire or damage to instrument and equipment.
- This instrument is not intended for use in locations subject to flammable or explosive gases.
- Do not touch high-voltage connections such as power supply terminals, etc. to avoid electric shock.

1. PRODUCT CHECK

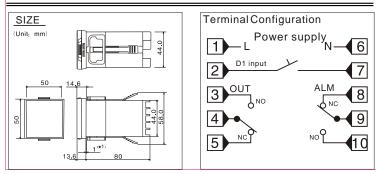


- (I). System timer unit
 - S: second
- M: minute
- H: hour
- 2. Timer displayer decimal point
 - 0: No decimal
- 1: one decimal
- 2: two decimal
- "D1"terminal pad externalcontrol function for time start.
 - 0: Time start when power on. "D1" for time pause.
 - 1: Time start when power on "D1" for time restart.
 - 2: Time standby when power on, "D1"for inching start timer.
 - 3: Time standby when power on, "D1" for holding to start timer
 - 4: Time standby when power on, "D1" for inching or holding to start timer.
- Timer relay control mode(Main out relay action mode)
 - 0: OUT relay deferred action. (holding or delay break)
 - 1: OUT relay instantaneous action, delay break.
 - 2: OUT relay cycle operation (Cycle timer)
- 5. Aux relay action mode (ALM)
 - 0: ALM relay instantaneous action.
 - 1: ALM relay synchronization action with OUT relay.
 - 2: ALm relay self contained function (Process alarm).
 - 3: ALm relay self contained function (deviation alarm).
- 6. UP or Down timer:
- 0: UP timer
- 1: DOWN timer

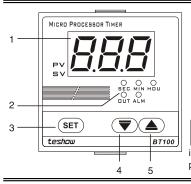
7. Power supply

N0 mark: AC220V±10%

2. MOUNTING



4. PARTS DESCRIPTION



- PV/SV Display timer and set value
- SEC lamp: system timer unit second MIN lamp: system timer unit minute HOU lamp: system timer unit hour OUT lamp: Main output relay action ALM lamp: Aux relay action
- SET key, Main function key
- Down key: Decrease numbers
- Up key: Decrease numbers

CAUTION

To avoid damage to

instrument, never use asharp object to press keys.

5. SETTING

5.1Setting set value(SV)







5.2 Level 1

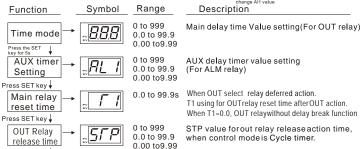
numerals, and pressing the DOWN key decrease

After finishing the setting, Press the SET keyto PV/SV display mode









Press SET key 0,1,2 Lock

1: Only SV can be changed 2: No parameters can be changed

Press SET key for 5s to return to PV/SV mode. 5.3 Level 2

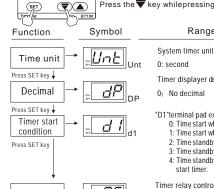
Go to Level 2

NOTE

Some parameter symbols maynot be displayed depending on the specification.

0: All parameters can be changed

Description



Press the ▼ key whilepressing the SET key for 5 s.

Timer displayer decimal point

0: No decimal 1: one decimal 2: two decimal

"D1"terminal pad externalcontrol functionfor time start. 0: Time start when power on. "D1" for time pause.
1: Time start when power on. "D1" for time restart.

2: Time standby when power on, "D1"for inching start timer. 3: Time standby when power on, "D1"for holding to start timer 4: Time standby when power on, "D1" for inching or holding to

Timer relay control mode(Mainout relay action mode)

Control mode Press SET key

AUX alarm mode Press SET key UP/DOWN

timer

0: OUT relay deferred action. (holding or delay break)
1: OUT relay instantaneous action, delay break. 2: OUT relay cycle operation (Cycle timer)

Aux relay action mode (ALM) O: ALM relay instantaneous action.

1: ALM relay synchronization actionwith OUT relay.

2: ALm relay self contained function (Process alarm).
3: ALm relay self contained function (deviation alarm).

UP or Down timer

0: UP timer 1: DOWN timer

Press the SET key for5s to return to PV/SVmode

When no parameter setting is required, after the value be registered, you can press "SET" keyfor NOTE 5 s to return the instrument to the PV/SV display



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