T2310

Parameter introduction and application course of countdown type time control relay

T2310 is a time-control relay, equipped with one normally open relay, according to the different operating voltage can be divided into DC12V, DC24V and ACA110~220V three specifications; Optimized setting operation, timing on, timing off, infinite cycle switch setting more convenient, more simple; 1~999 times of alternating work and infinite cycle work are set independently to meet the use requirements to the greatest extent.

中文-Chinese   英文-English

俄语-Русский

01

技术参数
Technical parameter

✓ **Basic parameters**

Working voltage: DC12V, DC24V, AC110~220V

Bearing power: 240W, 480W, 2200W (according to the bearing power on the label)

Timing range: 0~999 (seconds, minutes, hours)

Minimum unit: 1 second Error: 20ppn

Timing type: non - clock countdown

Timed startup: supported

Scheduled shutdown: supported

Infinite loop: Support infinite switch loop

Quantitative cycle: Support 1~999 cycle switch

Shell material: ABS

Independent timing unit: supported

Program trigger: support automatic trigger and manual trigger switch, factory default automatic

trigger

Setting lock: Supported

Power failure save: Only the last setting is automatically saved.

Type of relay: 1 normally open relay

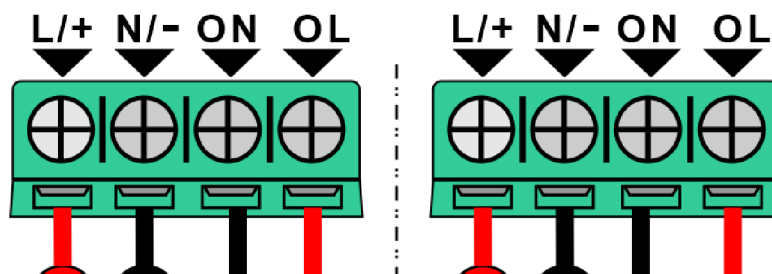Output type: Contact live, active output
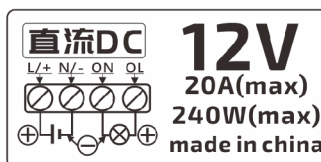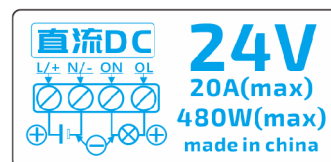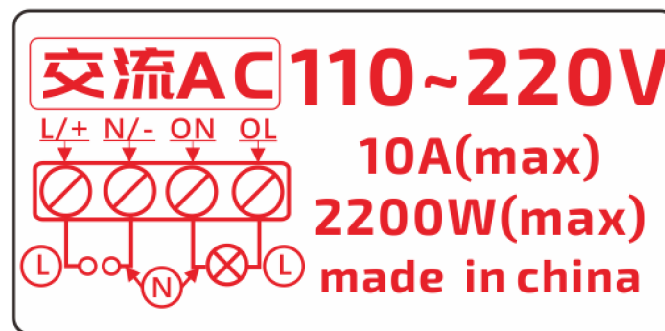
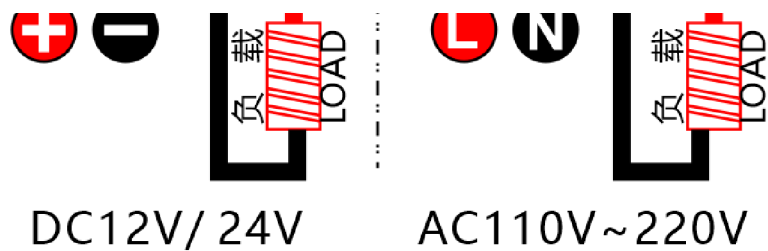Weight：60g（DC12V/24V）70g（AC110~220V）

Product size: 67×45×34mm

Mounting hole size: 63×42mm (embedded installation)

✓ **Operating voltage 、 power and wiring**

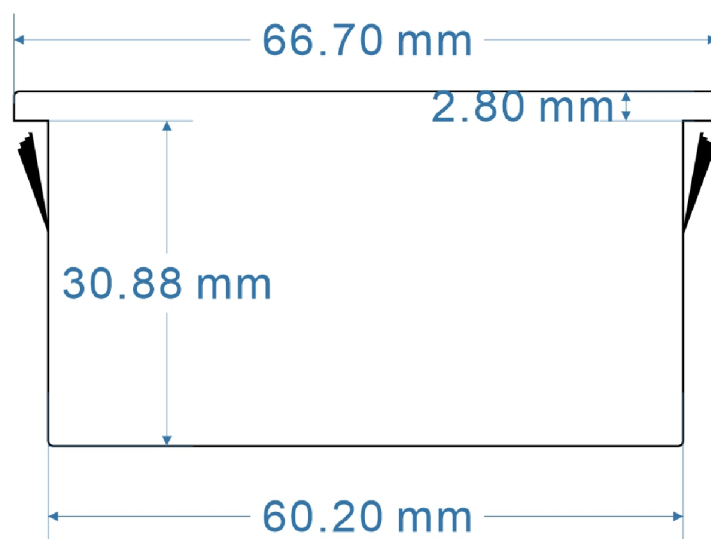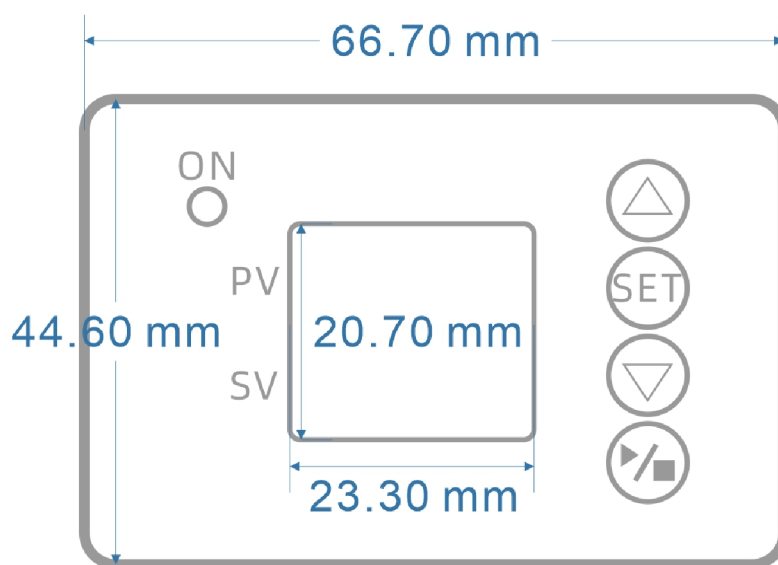# The operating voltage indicates the voltage on

the label

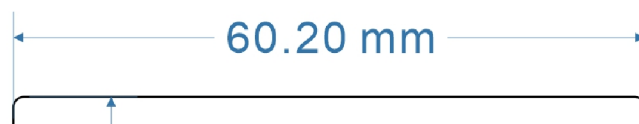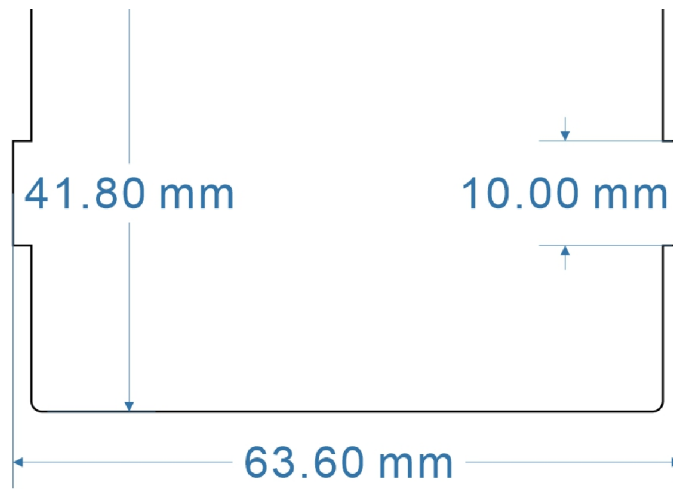Operating Voltage = Input Voltage = Output Voltage = Voltage

specified on the label

DC12V/ 24V AC110V~220V

✓ **Product size and mounting aperture**

Product size

ON

PV

SV

SET

66.70 mm

44.60 mm

20.70 mm

23.30 mm

66.70 mm

2.80 mm

30.88 mm

60.20 mm

Mounting aperture

60.20 mm

41.80 mm

10.00 mm

63.60 mm

Product show

SV
PV
NO

SET

直流DC
12V
20A(MAX)
240W(MAX)
MADE IN CHINA
NT

直流DC
24V
20A(MAX)
480W(MAX)
MADE IN CHINA
NT

CE

BST | A RELIABLE TESTING FOR TRUST
GLOBAL TESTING AND CERTIFICATION PRECISION SERVICE CLOUD FACTORY

Certificate of Compliance

Certificate NO.	:	BSTXD200714713201SC
Applicant	:	Shenzhen TUNSEK Electronic Technology Co.,Ltd 9th Floor, Building A9, Xinghuaxiong Industrial Park, Baihuadong First Industrial Zone, Guangming District, Shenzhen, Guangdong Province
Manufacturer	:	Shenzhen TUNSEK Electronic Technology Co.,Ltd 9th Floor, Building A9, Xinghuaxiong Industrial Park, Baihuadong First Industrial Zone, Guangming District, Shenzhen, Guangdong Province
Product Name	:	T2310 Time controller
Trade Name	:	TUNSEK
Main Test Model	:	T2310 AC110~220V
Additional Model	:	T2310 DC12V, T2310 DC24V
Test Standard	:	EN 60335-1:2012+A11:2014+A13:2017+ A1:2019+A2:2019+A14:2019
As shown in the Test Report No.	:	BSTXD200714713201SR

The EUT described above has been tested by us with the listed standards and found in compliance with the council LVD directive 2014/35/EU. It is possible to use CE marking to demonstrate the compliance with this LVD Directive.
The certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production.
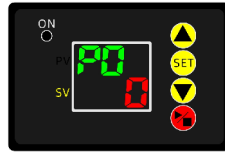
CE

Christina Deng
Manager
Aug. 13, 2020

BST Testing (Shenzhen) Co.,Ltd.
Add: No.7,New Era Industrial Zone, Guantian, Bao'an District, Shenzhen, Guangdong, China
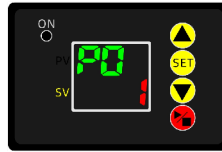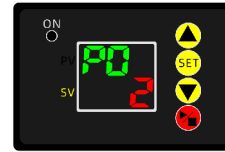Certificate Search: http://www.bst-lab.com, Tel: 400-882-9628, 8009990305, E-mail:christina@bst-lab.com

代码介绍
Code

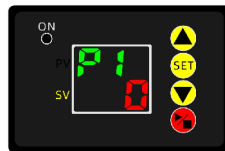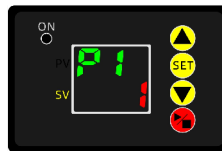**P0：Turn ON timing unit**

P0=0 Unit=seconds
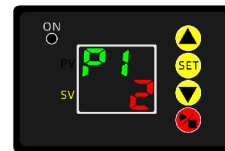**（Factory Settings）**　　**P0=1 Unit=minutes**　　**P0=2 Unit=hours**

P1:Turn OFF timing unit

P1=0 Unit=seconds
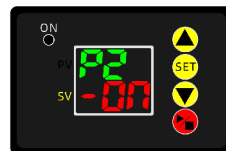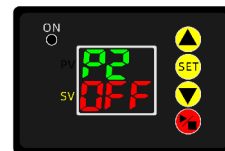**（Factory Settings）**　　**P1=1 Unit=minutes**　　**P1=2 Unit=hours**

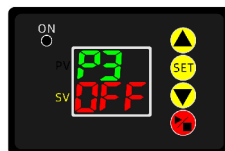**P2:The program triggers the run-time output priority state**
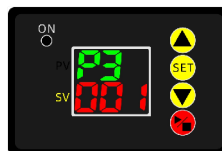
P2=ON Turn ON first
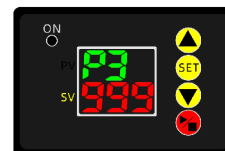**（Factory Settings）**　　**P2=OFF Turn OFF first**

P3: Cycles

P3=OFF
An infinite loop
（Factory Settings）　　**P3=n Cycle n times，n=1~999**

P4:Program run trigger mode
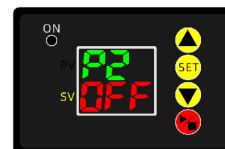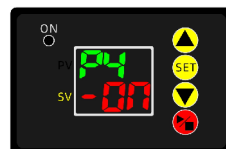
P5:Lock
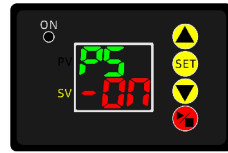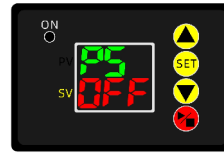
P5=ON =Lock   **P5=OFF=Unlock**
                              (Factory Settings)
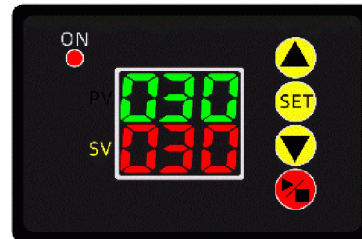
03

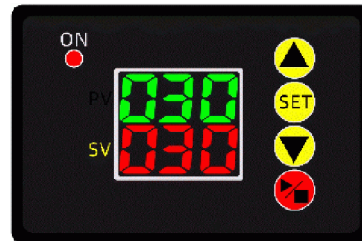# 状态指示
Status

01、 **Turn-on timing:** **the output is powered ON, the ON indicator light is on, and the interface indication of the timing unit is as follows:**
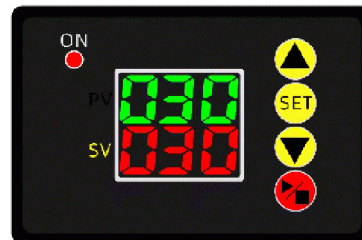

Unit = seconds
Digital seconds decrement

Unit=minutes
Digital minute decrement
The last LED point flashes once
for 5 seconds

Unit=hours
Digital hour decrement
The first LED point flashes once
for 5 seconds

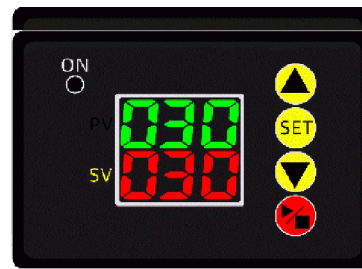**02、** **Turn-off timing:** **output is not energized, ON light off, the interface is as follows：**

Unit = seconds
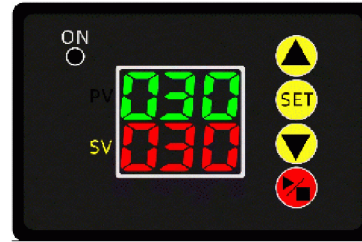**Digital seconds decrement**

Unit=minutes
Digital minute decrement
The last LED point flashes
once every 5 seconds

Unit=hours
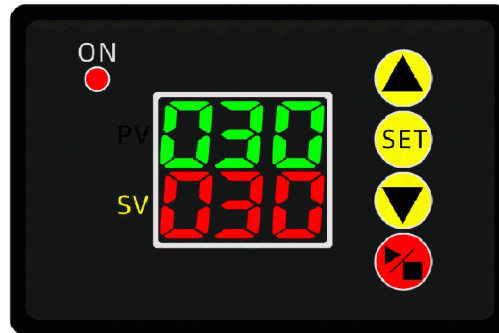**Digital hour decrement**
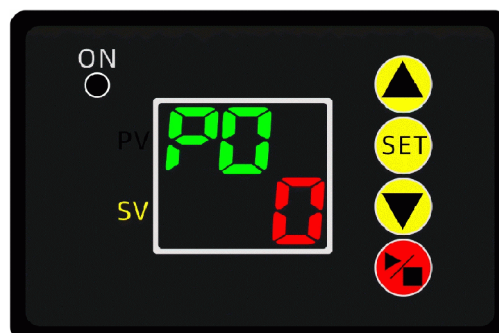**The first LED point flashes once**
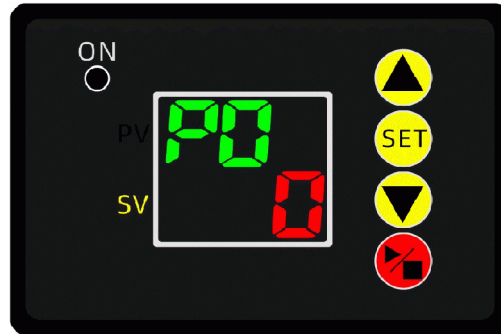**for 5 seconds**

04

设置方法
Setting

01、Enter code setting: Long press the "SET" key for 6 seconds to enter the code setting interface

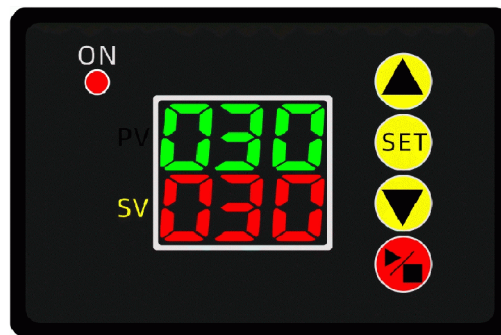**02、Adjusting code parameters: Click"▲"or"▼"adjust code values**

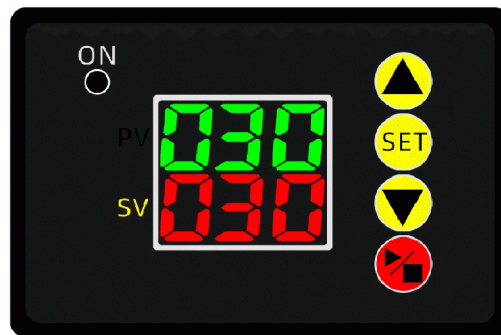**03、 Toggle setting code: Click the "SET" key to switch the code to be set**

Note: At P5, click "SET" to save and exit the code setting.

04、 To enter timing Settings: Double-click the "SET" key to enter timing Settings

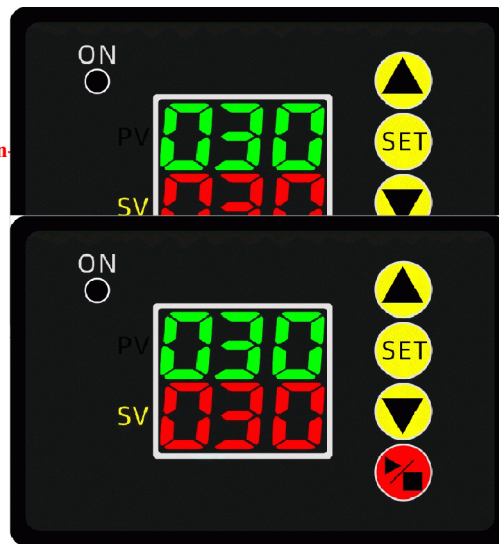
05、 Set Turn-on timing : The green LED blinks. Click "▲"or"▼"adjust timing values

06、 Switch to turn-off timing setting: Click "SET" to switch to turn-off timing setting
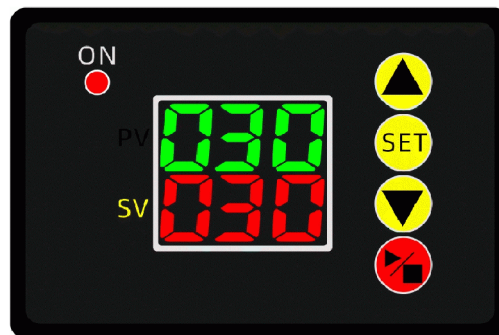
07、 Set Turn- ~~ljust timing~~
values

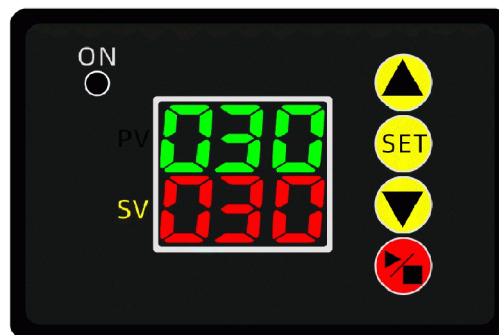**Note: After completing the setting, click "SET" to save and exit the setting**

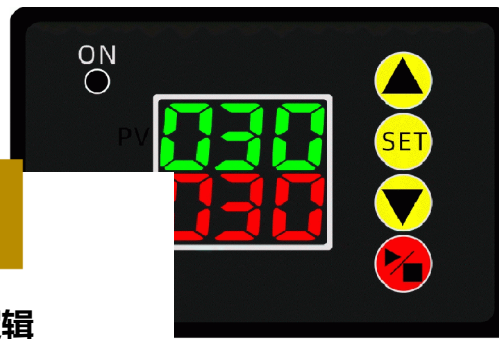**08、 Start the running program: Double-click "▶ | ∎"Switching running state**

09、 Code P4=OFF for manual trigger mode, click"▶ | ∎"Trigger program to run

10、 Long press"▶ | ∎"3 seconds to restart

05

设置逻辑
Setting

01、 Program trigger

P4=-ON Power automatically triggers the program to run

P4=OFF Manually triggers the program to run

02、 Timing OFF

PV≠0, SV=0 power on for a certain time after shutdown

03、 Timing ON

PV=0, SV≠0 Power off for a certain time after the boot

04、 cycle switch

PV≠0, SV≠0 P3=OFF infinite cycle switch;

PV≠0, SV≠0 P3=n (n=1~999) cycle switch n times

05、cycle mode output turn-ON first

P2=ON

06、cycle mode output turn-Off first

P2=OFF

07、 Set lock

P5=OFF This parameter is not locked and can be set at will

P5=ON Lock setting. You can set this parameter only after the lock is unlocked