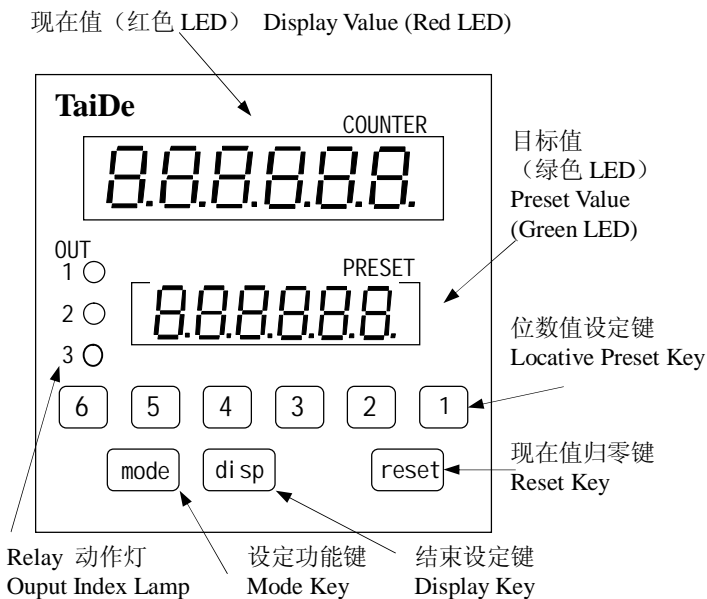


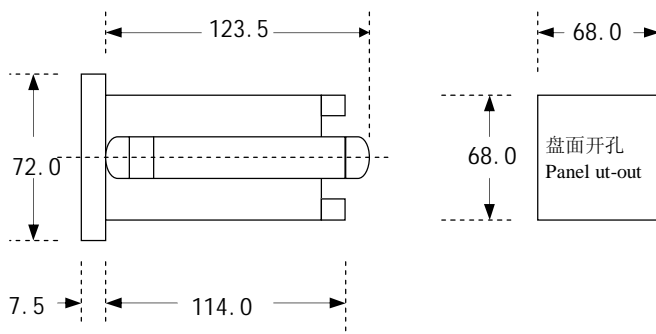
产品规格 Specification

型号规格 Item No	SC - 63KC
显示范围 Display Range	- 99999 ~ 999999
设定范围 Setting Range	1 ~ 999999
显示尺寸 Display Height	Count LED 0.39" (RED) Preset LED 0.3" (Green)
计数输入 Input Signal Mode	有接点输入 Contact Input:25HZ 无接点输入 NO Contact Input:3kHZ
输出方式 Output System	Relay Output (AC 250V/3A)
输出时间 Output Hold Time	0.1 ~ 9.9 Seconds (Variable)
复归方式 Reset System	External, Manual, AutoReset
输入信号 Input Level	NPN, Open Collector
停电记忆 Power Failure Memory	EEPROM Memory Keep Ten Years
信号电源 DC Out For Sensor	12V DC $\pm 5\%$ Max Electric Current Capacity 100Ma
电源电压 Power Supply	AC 110V/220V $\pm 15\%$ 50Hz/60Hz
消耗功率 Power Consumption	5.5 VA
耐温湿度 Operating Temperature Humidity	- 10°C ~ +50°C 35% ~ 85% RH
外形尺寸 External Dimensions	72mm \times 72mm \times 145mm (盘面开孔 Mounting Flush Dimension:68mm \times 68mm)

面板说明 Panel Explanation



外形尺寸图 Dimension Diagram (Unit: mm)



位数值设定键 Locative Preset Key

面板下方有编号 1~6, 6 个按键, 分别代表“个”“十”“百”“千”“万”“十万”位数, 若要改变目标值, 按下欲设定的位数键。当按下设定键时, 此位数值变为闪烁状态, 若一直按着, 数值由 0 至 9 往上改变直到欲设定的值, 放开按键 3 秒后或按下“Disp”键后即完成设定。

There are six numbers, six buttons on the front Panel. The change the preset value you can change them by pressing the push button directly below it, And release the push button when the digit reaches the desired value. Pressing the “Disp” button or release the button through 3 seconds then the mode will be set.

Mode 键 选择设定功能类别

- (1) 设定目标值直接在面盘上设定。
- (2) $\overline{\text{TR}}$: Relay 动作保持时间, 范围 0.1 ~ 9.9sec
- (3) $\overline{\text{SC}}$: 倍率设定, 范围 0.0001 ~ 99.9999。
- (4) $\overline{\text{PDnt}}$: 小数点位置设定。

注: Set2 的值在计数时, 可直接在面盘上按数字键 0~6 设定。
Used to change display mode or operation mode

- (1) Set first preset value。
- (2) $\overline{\text{TR}}$: Relay action, holdtime, range 0.1 ~ 9.9sec
- (3) $\overline{\text{SC}}$: Percentage setup, range 0.0001 ~ 99.9999。
- (4) $\overline{\text{PDnt}}$: Decimal point setup.

Note: Preset 0~6 key to setup the set2 value.

Disp 键 Disp Key

在欲结束设定功能时, 按此键或 3 秒内不再按任何键即自动结束设定。

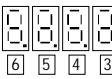

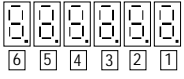
When the function setups over, Please press the “Disp” key, or not press any key through 3 seconds, then the function will be set automatically.

Reset 键 Reset Key

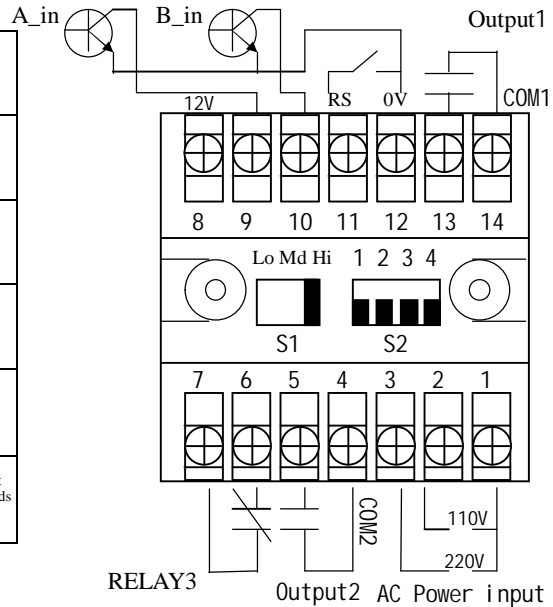
在按下此键时, 现在值清除为零。

Press the key to clear the current displayed value.

定流程 Preset Step

设定类别 Setup type	步骤 step
目标值 Preset value	 计数中直接按数字键 1~6 设定 SET
Er	mode Er → 
SCL	mode mode → Er → SCL → 
Port	mode mode mode → Er → SCL → Port <small>例小数点在第二位, 请按 2, 以此类推。Press the digit button which corresponds to the desired decimal point option</small>

端子说明 Connection Diagram

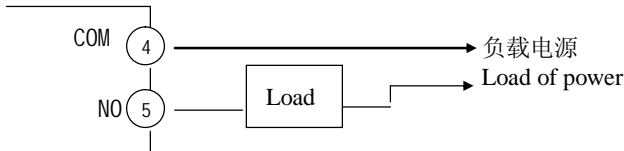


信号输入方式 Signal Input Type

端子 A_in(9脚), B_in(10脚), RS(11脚) 输入方式皆为 NPN 输入 (无电压入力)
The signal input way of the terminal A_in(9pin), B_in(10pin), and RS (11pin) all are "NPN" input.

例: SC-63KC 端子说明。
Example: Connection Diagram of SC-63KC.

Relay 接点 Relay Contact



S1: 输入频率开关

S1- Hi: 信号无滤波电容, 频率可达 3KHz。
S1- Md: 信号有滤波电容, 频率可达 300Hz。
S1- Lo: 信号有滤波电容, 频率可达 25Hz。



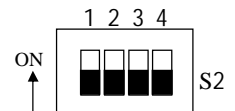
S1: Response Time Switch

S1- Hi: Removes damping capacitor and allows operation up to 3KHz.
S1- Md: Connects small damping capacitor and limits counter frequency to 300Hz.
S1- Lo: Connects small damping capacitor and limits counter frequency to 25Hz.



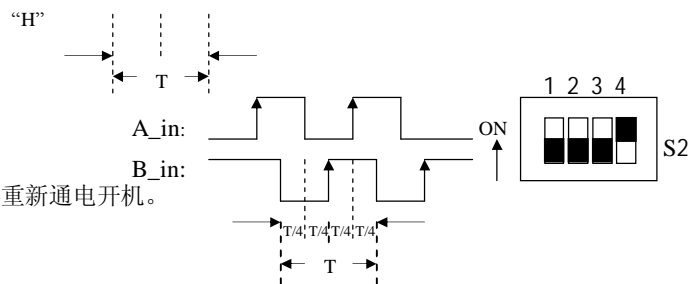
S2 开关 S2 Switch

- S2-1 ON 时, 无法选择设定功能, S2-1 OFF 时方可选择设定功能, 在设定功能完成后, 尽量保持 S2-1 在 ON 的位置, 以免人为操作失误。
When S2-1 is ON, the function can't be set. Just as S2-1 OFF, then the function can be selected. When the function mode is selected, trying to hold S2-1 in the "ON" condition to keep from man-made mistakes.
- S2-2, 3 在此表中无使用功能。



计数方式 (Counting Method)

S2-4ON: 加减算 (90° 相位差输入)
S2-4ON: addition and subtraction (Quadrature input)
此计数模式常配合译码器 (encoder) 使用, 或配合两个 sensor, 但要注意相位差尽量为 90°。
This quadrature counting mode can be implemented by the rotary encoder or two sets of photoelectric sensors.
注意在 S2-4 拨为 ON 即改变计数模式后, 必须切断电源再重新通电开机。
You must turn on the counter again when change the mode of the counter



输出功能

- 当计数值小于设定值时 Relay3 ON, Relay1 OFF, Relay2 OFF;
- 当计数值等于设定值时 Relay2 ON, Relay1 OFF, Relay3 OFF;
- 当计数值大于设定值时 Relay1 ON, Relay2 OFF, Relay3 OFF;
- Relay2 的输出到时间 (由 Tr 设定) 到后自动复归。