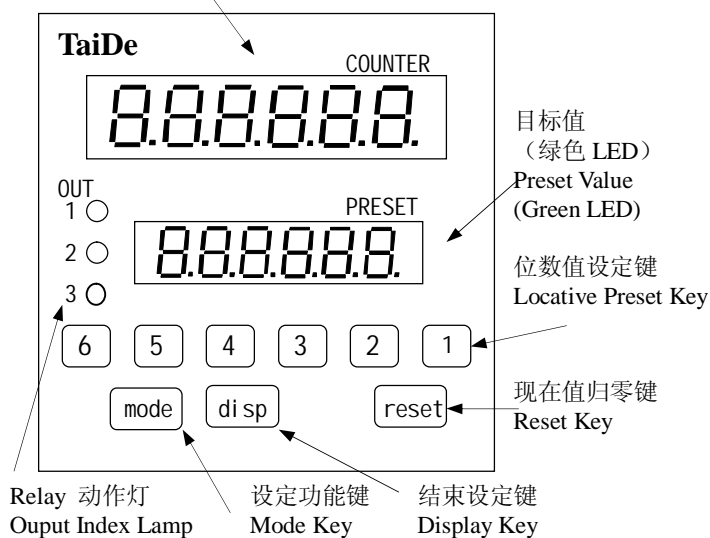


产品规格 Specification

型号规格 Item No	SC - 61KE SC-62KE
显示范围 Display Range	- 99999 ~ 999999
设定范围 Setting Range	1 ~ 999999
设定模拟量范围 Setting voltage Range	0.0 ~ 9.9 V
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)
模拟量输出方式 Voltage Output System	由面板 Strt 和 End 的设定, 决定在设定范围内, 模拟量输出是递增或递减或固定的
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

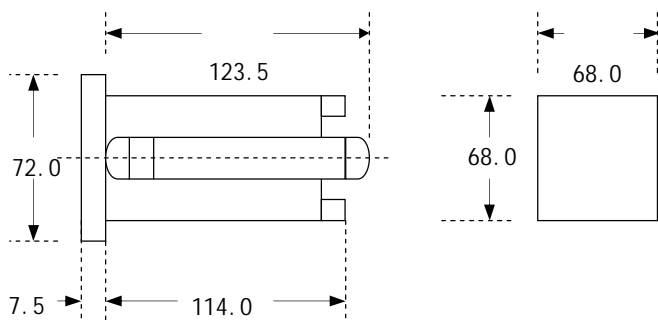
现在值 (红色 LED) Display Value (Red LED)



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.

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, 若一直接着, 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) **Strt**: 现在值=0 时的起始电压, 范围 0.0~9.9V.
- (2) **End**: 现在值 \geq SET2 时的满刻度电压, 范围 0.0~9.9V.
- (3) **Tr**: Relay 动作保持时间, 范围 0.1 ~ 9.9sec
- (4) **PS1**: 前置量设定值, 范围 0 ~ 999999.
- (5) **SEL**: 倍率设定, 范围 0.0001 ~ 99.9999.
- (6) **P0nt**: 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.

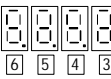



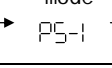

- (1) **Strt**: The start voltage setup, range 0.0~9.9V.
- (2) **End**: The end voltage setup, range 0.0~9.9V
- (3) **Tr**: Relay action, holdtime, range 0.1~9.9sec
- (4) **PS1**: The prewarn value setup, range 0~99999.
- (5) **SEL**: Percentage setup, range 0.0001~99.9999.
- (6) **P0nt**: Decimal point setup.

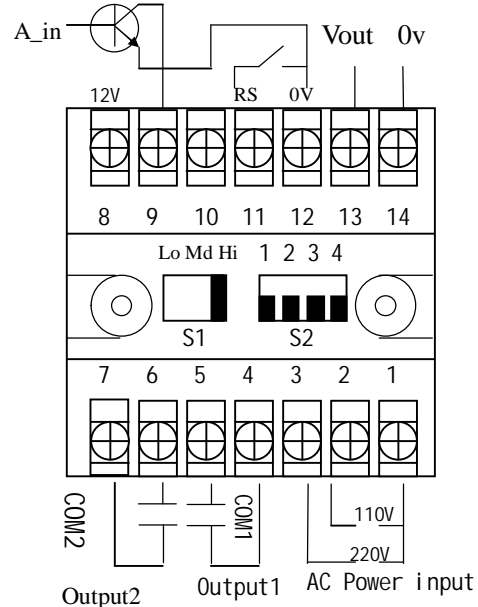
Note: Preset 0~6 key to setup the set2 value.

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.

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 SET2
Start	mode Start → 
End	mode Start → mode End → 
tr	mode Start → mode End → mode tr → 
PS-1	mode Start → mode End → mode tr → mode PS-1 → 
SCL	mode Start → ... → mode SCL → 
Port	mode Start → ... → mode SCL → mode 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 position</small>



SC-62KE 端子说明。
Connection Diagram of SC-62KE

信号输入方式 Signal Input Type

端子 A_in(9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) and RS (11pin) all are "NPN" input.

信号输出方式 Signal output Type

端子 Vout(13脚), 0V(14脚)为模拟电压信号输出。

Connection Vout (13pin), 0V (14pin) for voltage output.

端子 7脚与端子 6脚为前置量继电器输出。

When display value is equal to the prewarn value, relay1 will turn on.

端子 5脚与端子 4脚为计数值 ≥ set2 继电器输出。

When display value is equal to the set2 value, relay2 will turn on.

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。

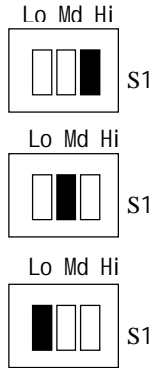
S1- Lo: 信号有滤波电容, 频率可达 25Hz。

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

1: S2-1 ON 时, 只能选择设定时间功能, S2-1 OFF 时方可选择设定其它功能, 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 time function can be set only. Just as S2-1 OFF, then the other 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.

2: Relay 复归 N.R.C. Relay return N.R.C

A: N: 手动 (MANUAL) S2-4 ON

计数值等于设定值时 Relay ON, 计数值继续上数, 直到手动或外部复归时, Relay 才复归, 值归零。

When the counting value is equal to the preset value, the relay will turn on. The counter will keep counting up until we press down the "RES" button or connects the terminal 12 & 11 together at the same time, then the display value will return to zero.

B: R: 回归 (RETURN) S2-3ON

计数值等于设定值时 Relay ON, 计数值继续上数, 待到时间 (由 tr 设定) 后 Relay 复归, 值归零。

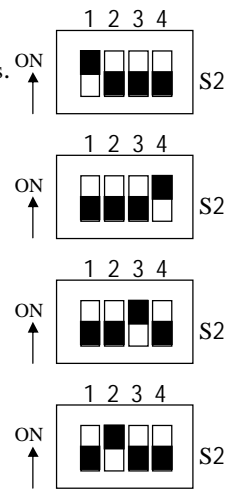
When the counting value is equal to the preset value, the relay will turn on. The counter will keep counting up, but after several seconds, the relay returns to the original condition and the display value will return to zero.

C: C 继续 (CONTINUE) S2-2ON

计数值等于设定值时 Relay ON, 计数值立即归零后继续上数, 而 Relay 到时间 (由 tr 设定) 后复归。

When the counting value is equal to the preset value, the relay will turn on and the display returns to zero.

then the counter will keep on counting, and the relay will return to the original condition after several seconds.



计数方式 (Counting Method)

加算 (单相入力) addition (single phase)

模拟电压输出功能:

模拟电压 0 --- 9.9V 按照设定的范围内随计数值的变化而变化输出。

