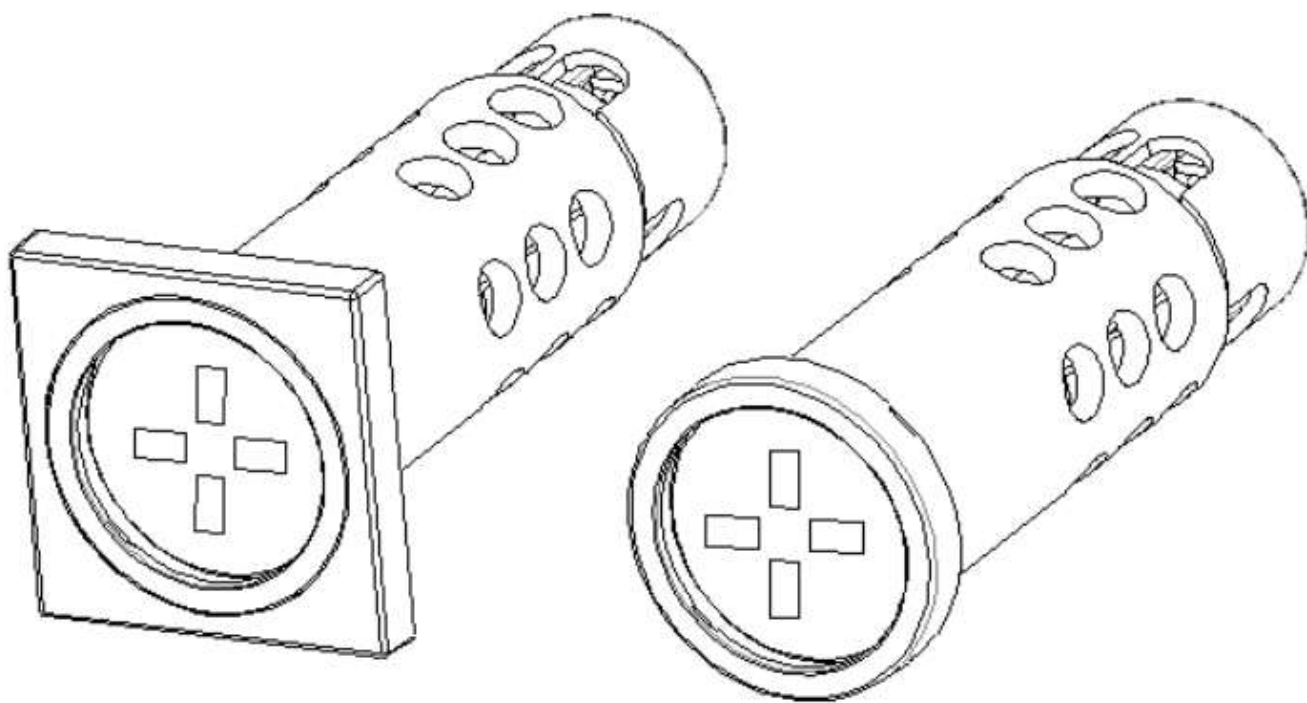




# KLY- SP25R/S-L-S

ELECTRONIC SWITCH POSITION INDICATOR

INSTRUCTION MANUAL



SHANGHAI COMPLEE INSTRUMENT CO., LTD.

## I. OVERVIEW

This product is a position indicator with LED light indication independently developed by our company. Be applicable in the power system, automatic control system, the power on and off detection indication.

## II. MAIN PARAMETERS AND TECHNICAL INDICATORS

### 1. Input Voltage:

- a. AC/DC 24 ~ 36V;
- b. AC/DC 48 ~ 60V;
- c. AC/DC 100 ~ 127V;
- d. AC/DC 200 ~ 240V;

### 2. Overload Capability:

Continuous overload: 1.2 times rated value;

Short-time overload: 2 times rated, 5 seconds.

### 3. Power consumption $\leq 1.5\text{VA}$

### 4. Flame retardant grade of plastic part: UL94 (V0)

### 5. Security level: CAT III 300V, Pollution degree: 2

### 6. Working environment conditions:

Temperature:  $-25^{\circ}\text{C} \sim 55^{\circ}\text{C}$

Humidity: 5% ~ 95% RH, no condensation

### 7. Storage environment conditions:

Temperature:  $-40^{\circ}\text{C} \sim 70^{\circ}\text{C}$

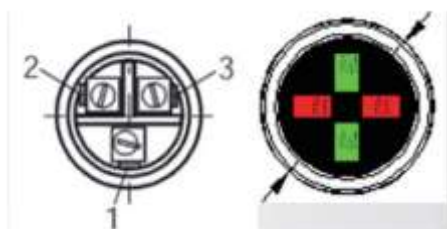
Humidity: 5% ~ 95% RH, no condensation

### 8. Wiring screw torque: $0.5 \sim 0.8\text{N}\cdot\text{m}$

### 9. Weight: about 35g.

## III. INDICATOR STATUS DESCRIPTION:

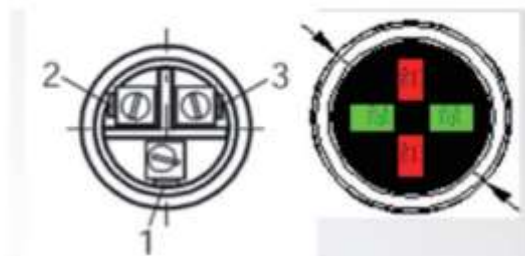
1. KLY-SP □ - □ -L- □ -00- □



When the terminals 1 and 3 are connected to the rated voltage, 2 green LEDs are on;

When terminals 1 and 2 are connected to the rated voltage, 2 red LEDs are on

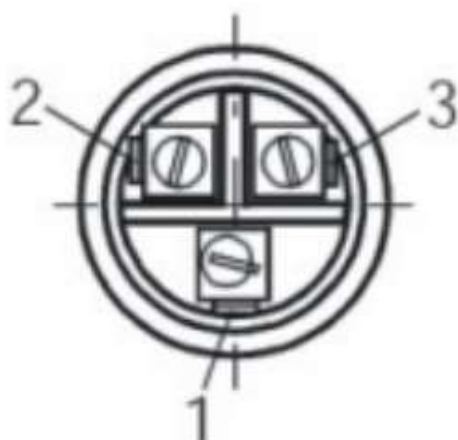
2. KLY-SP □ - □ -L- □ -01- □



When the terminals 1 and 3 are connected to the rated voltage, 2 red LEDs are on;

When terminals 1 and 2 are connected to the rated voltage, 2 green LEDs are on.

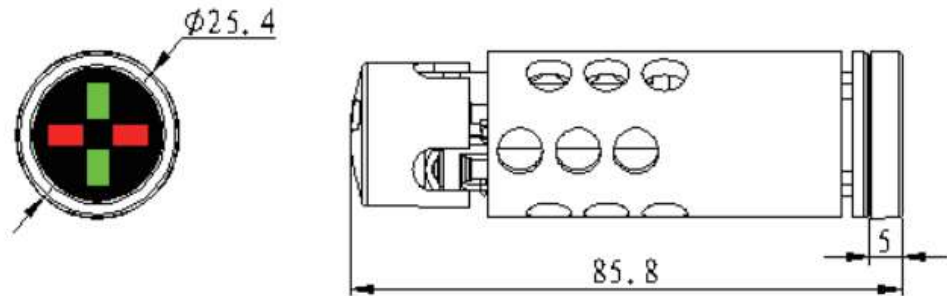
#### IV. WIRING TERMINAL SCHEMATIC



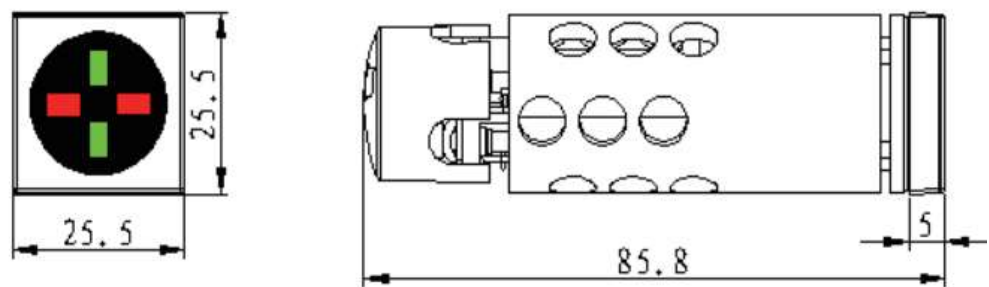
#### V. OUTLINE DRAWING AND INSTALATION REQUIREMENTS

##### 1. Outline drawing

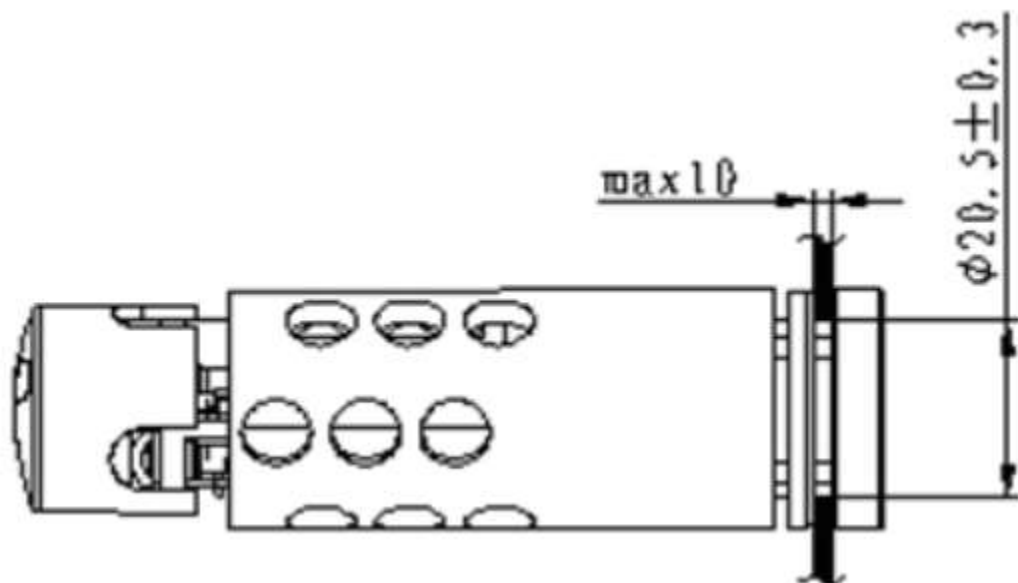
##### 1.1. KLY-SP25R-L-S



## 1.2. KLY-SP25S-L-S



## 2. INSTALATION DIAGRAM



Opening size:  $\phi 20.5 \pm 0.3$ .

## VI. ELECTRONIC SWITCH POSITION INDICATOR MODEL WRITING RULES:

KLY-SP 25R-L-S-01 -AC/DC100-127V  
1 2 3 4 5 6 7

1. Company indication number: fixed as “KLY”;
2. Identification word: fixed as 'SP';
3. Shape Code: '25R' round  $\Phi$  25;  
'25S' square 25\*25;  
'32R' round  $\Phi$ 32;  
'36S' square 36\*36;
4. Panel description, with the letter: mechanical default does not fill, LED electronic type with 'L';
5. switch position indicator shell length description, with the letter: long shell default does not fill, The short shell is indicated by 'S';
6. indicator status description, by number:  
  
“00”: When the terminals 1 and 3 are connected to the rated voltage, 2 green LEDs are on; When terminals 1 and 2 are connected to the rated voltage, 2 red LEDs are on.  
  
“01”: When the terminals 1 and 3 are connected to the rated voltage, 2 red LEDs are on; When terminals 1 and 2 are connected to the rated voltage, 2 green LEDs are on.
7. Auxiliary power supply specifications: AC / DC 24 ~ 36V; AC / DC 48 ~ 60V; AC / DC 100 to 127V; AC/DC 200 to 240V.

## VII. MATTERS NEEDING ATTENTION

1. Please wire correctly according to the wiring diagram.
2. Be sure to turn off the power of the measurement object before wiring.
3. Do not apply a voltage above the voltage range, which may cause the instrument to malfunction.
4. Do not use in condensation.
5. When using the instrument around bare, live parts, do not touch the applied voltage
6. In part, at this time, it is recommended to use protective tools such as insulated gloves.



**上海康比利仪表有限公司**

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