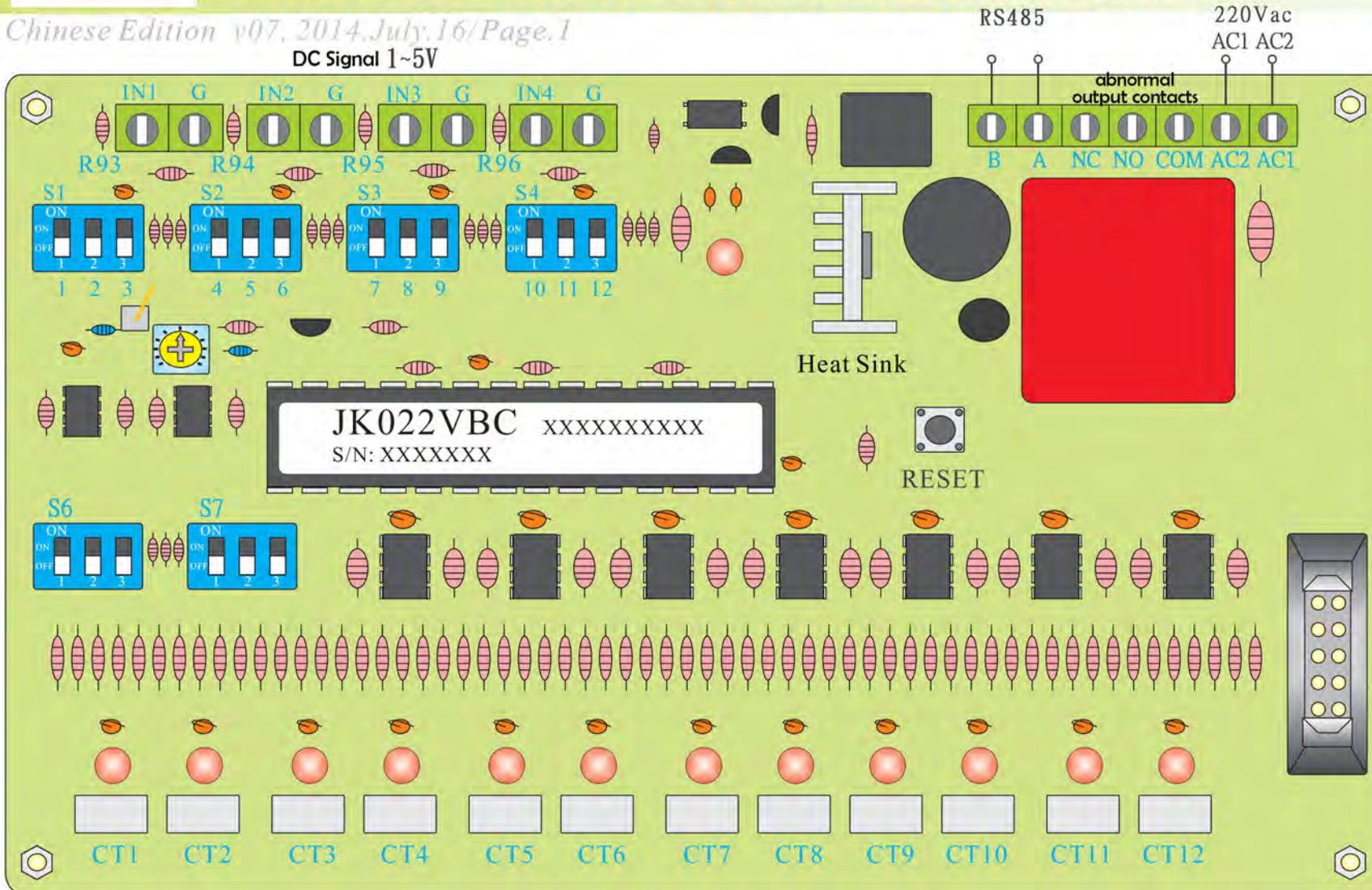




JK022VBC Disconnection inspect and notification controller - RS485 Modbus Directions.

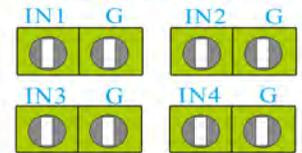
Chinese Edition v07, 2014, July, 16/ Page.1

DC Signal 1~5V



S1 Example: This is the first group to open, shut down in groups 1 2 3 2 and 3.

1. Please 1,2,3,4,5,6,7,8,9, 10,11,12 group decided to open which several groups of disconnection inspect and notification, DIP switch up to open, down is off.
2. AC1, AC2: Need to input the 220VAC voltage.
3. NO, COM, NC: Abnormal output contacts .



4. IN1 connect "thyristor power regulate"s + G point connect "thyristor power regulate"s - (G is concurrent).
IN2 connect "thyristor power regulate"s + G point connect "thyristor power regulate"s - (G is concurrent).

IN3 connect "thyristor power regulate"s + G point connect "thyristor power regulate"s - (G is concurrent).

IN4 connect "thyristor power regulate"s + G point connect "thyristor power regulate"s - (G is concurrent).

5. CT1,CT2,CT3,CT4,CT5,CT6,CT7,CT8,CT9,CT10,CT11,CT12, 12-segment LED, which disconnected the LED lights up.

S1, S2, S3, S4, the DIP switch: white part of the dip switches need to be adjusted to the location.

6. S6&S7: Slave setting(From 1~63). Setting by Binary. They can set 1, 2, 4, 8, 16, 32 maximum can set 63pcs. **S1**

For example: S6 DIP 1 turn on, others turn off. the main is setting slave 1.

S6 DIP 1 turn ON, S7 DIP turn ON. others turn off. the main setting slave 9.

S6, S7 DIP all turn ON. the main setting slave 63.



※ please reference white DIP.



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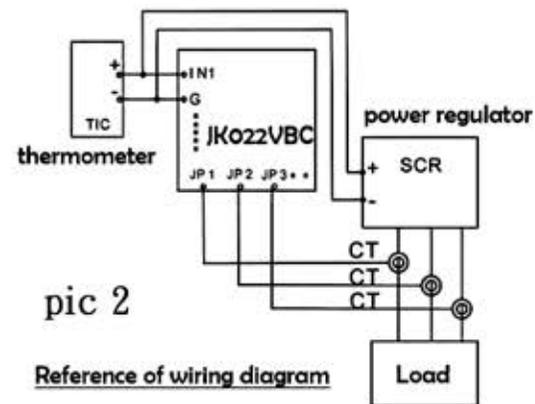
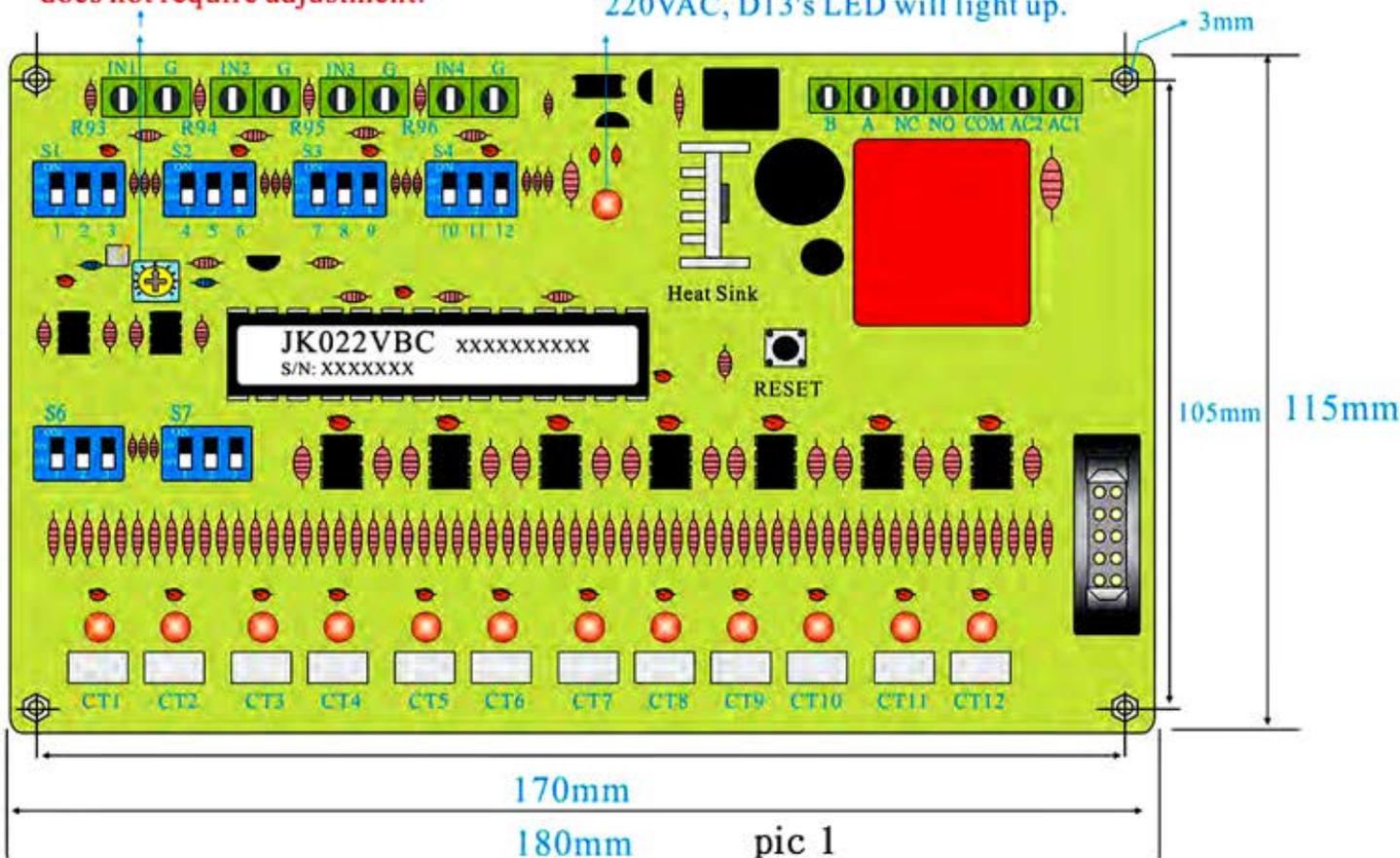
1. Function: By converter (Current Transformer) and the thermometer mutual recognition, to determine the load is disconnected.

2. Operation: JK022VBC check the load side is less than 0.2A. Will notify the disconnection, disconnected LED will light up panels lit. NO, CON, NC abnormal output contacts immediate notification.

3. Testing: If user want to know JK022VBC's functions. User can use 3 sets 60W lightballs to be load. reference pic2

Check the value of the thermometer:
Factory value: **2.5VDC normal use**
does not require adjustment.

Power light:
When AC1, AC2 input voltage
220VAC, D13's LED will light up.



Reference of wiring diagram



JK022VBC Disconnection inspect and notification controller - RS485 Modbus Directions.

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Format:Modbus/RTU 9600,N,8,1

PLC:

Slave	Command	Read add.		Data Size		CRC LSB	CRC MSB
0x01	0x03	0x00	0x01	0x00	0x01	0x??	0x??

JK189D:

Slave	Command	Return Data		CRC LSB	CRC MSB
0x01	0x03	0x??	0x??	0x??	0x??

PLC setting:

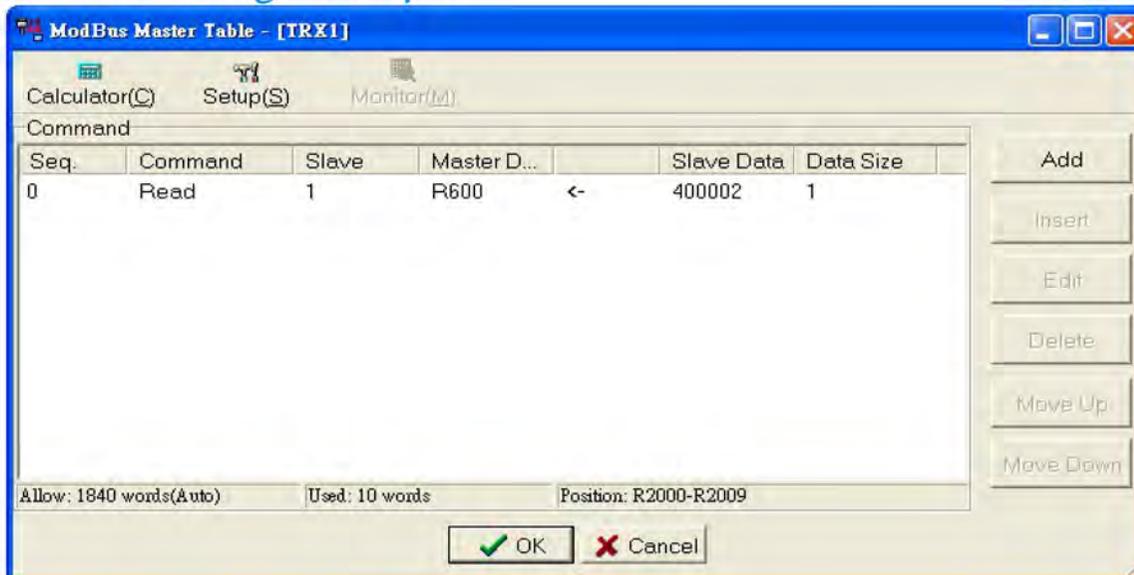
Slave>>1(S6=100,S7=000)

Read Add.>>1(400002)

Data Size>>1(1 word=>2 byte=>16 bit)

EX:
0000 1000 0000 0011
port 1, port 2, port 12
is NG

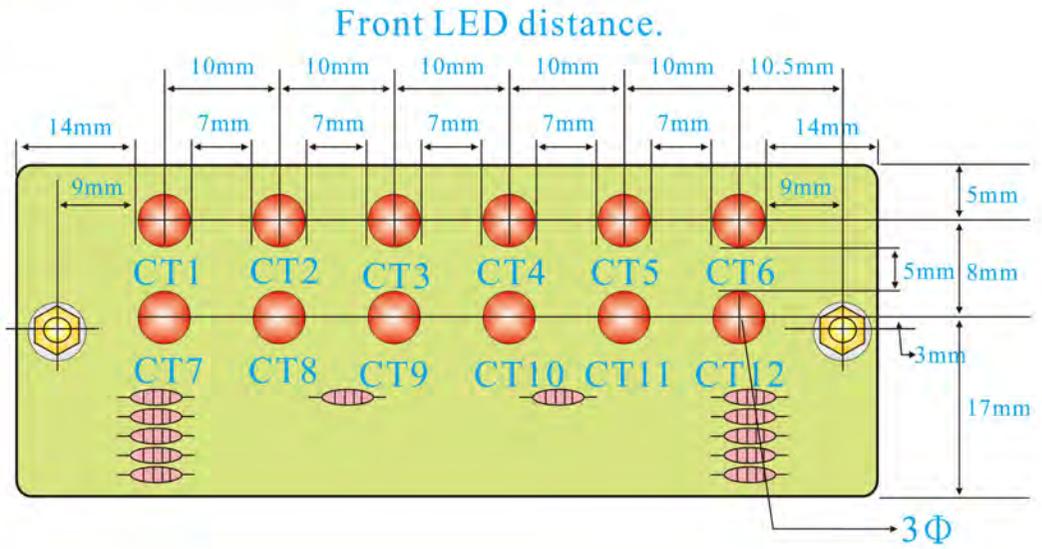
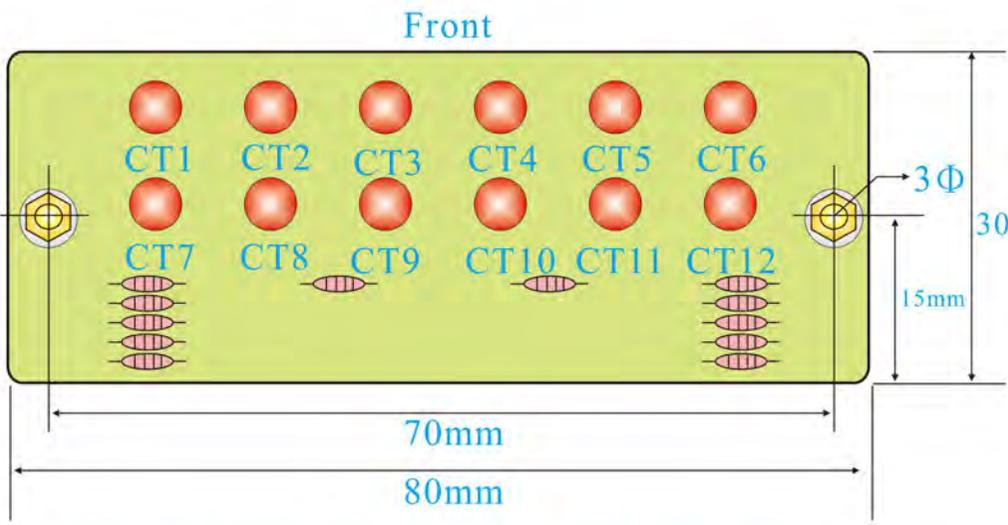
FATEK PLC Modbus Setting Example



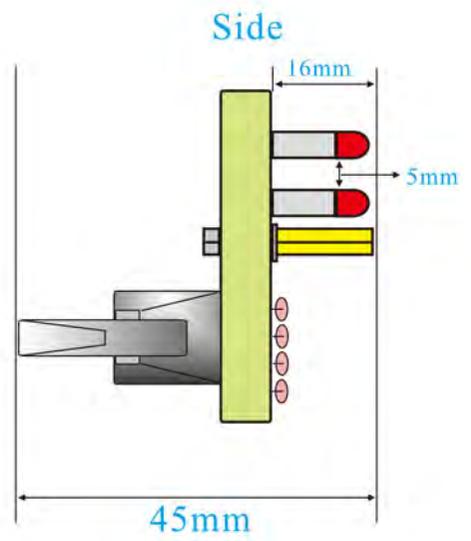
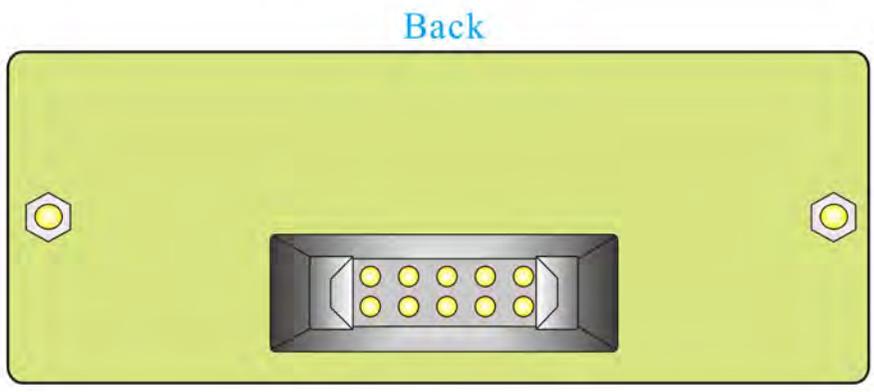


JK022VBC Disconnection inspect and notification controller - RS485 Modbus Directions.

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1. CT1,CT2,CT3,CT4,CT5,CT6,CT7,CT8,CT9, CT10,CT11,CT12, 12-segment LED, which disconnected the LED lights up.



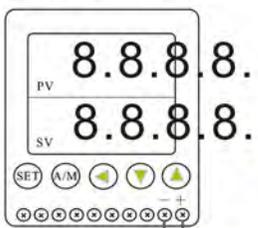


JK022VBC Disconnection inspect and notification controller - Hand Book.

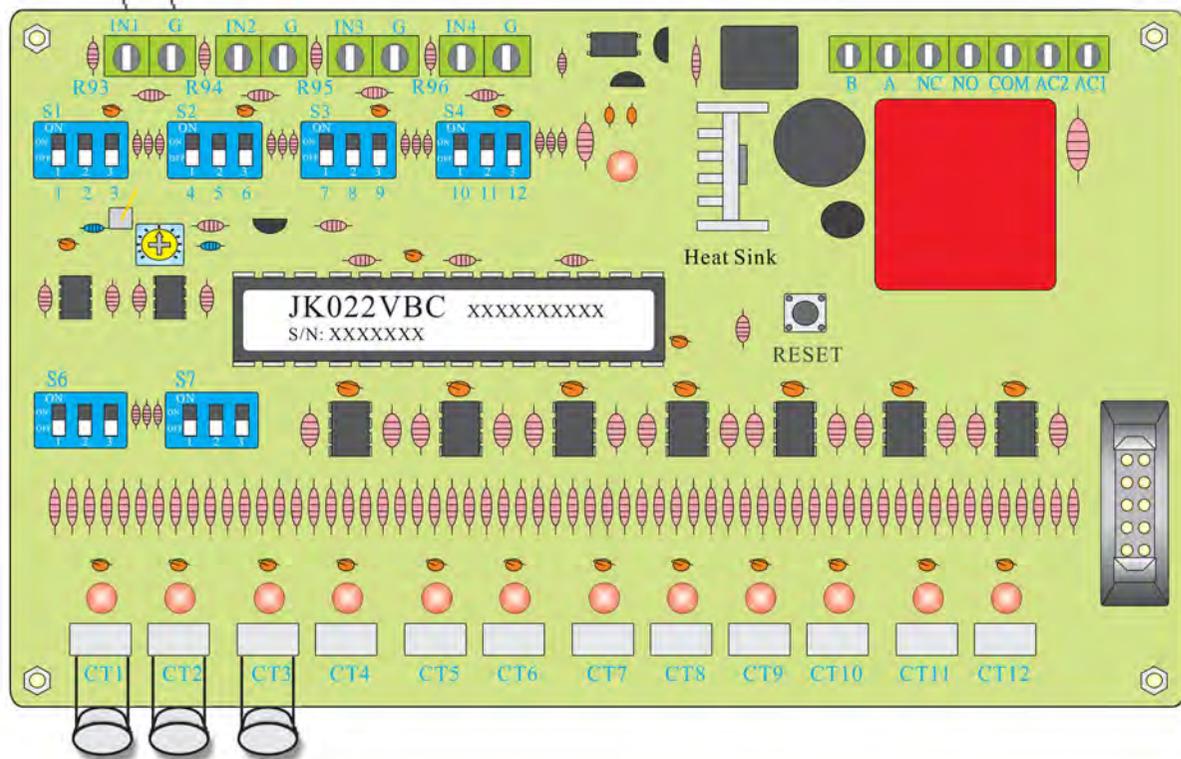
1 three-phase SCR power regulator connected to 3 sets load.

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PID thermometer signal:4-20mA



Three-phase SCR power regulator terminal, the input signal adjust the 4 ~ 20mA ◦



1. Thermometer + — enter the three-phase SCR power regulator terminal + — and then by the SCR terminal + connect disconnection inspect and notification controller IN1, — connect to G.
2. The S1 DIP switch ; 1, 2, 3 need to open up, if not open will be no action, unable inspect and notification the load disconnected.
3. Did not use to check the notification group (S2, S3, S4). DIP switches need to be down close.

S1, S2, S3, S4, the DIP switch: white part of the dip switches need to be adjusted to the location.

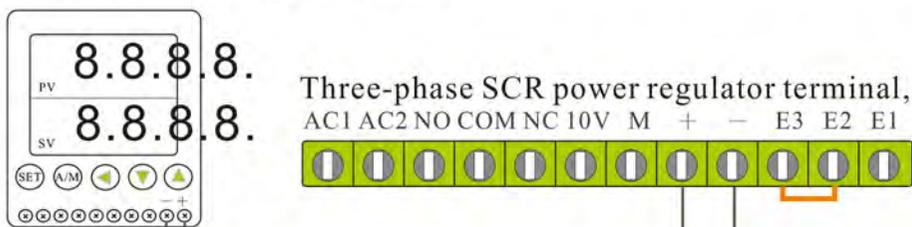


JK022VBC Disconnection inspect and notification controller - Hand Book.

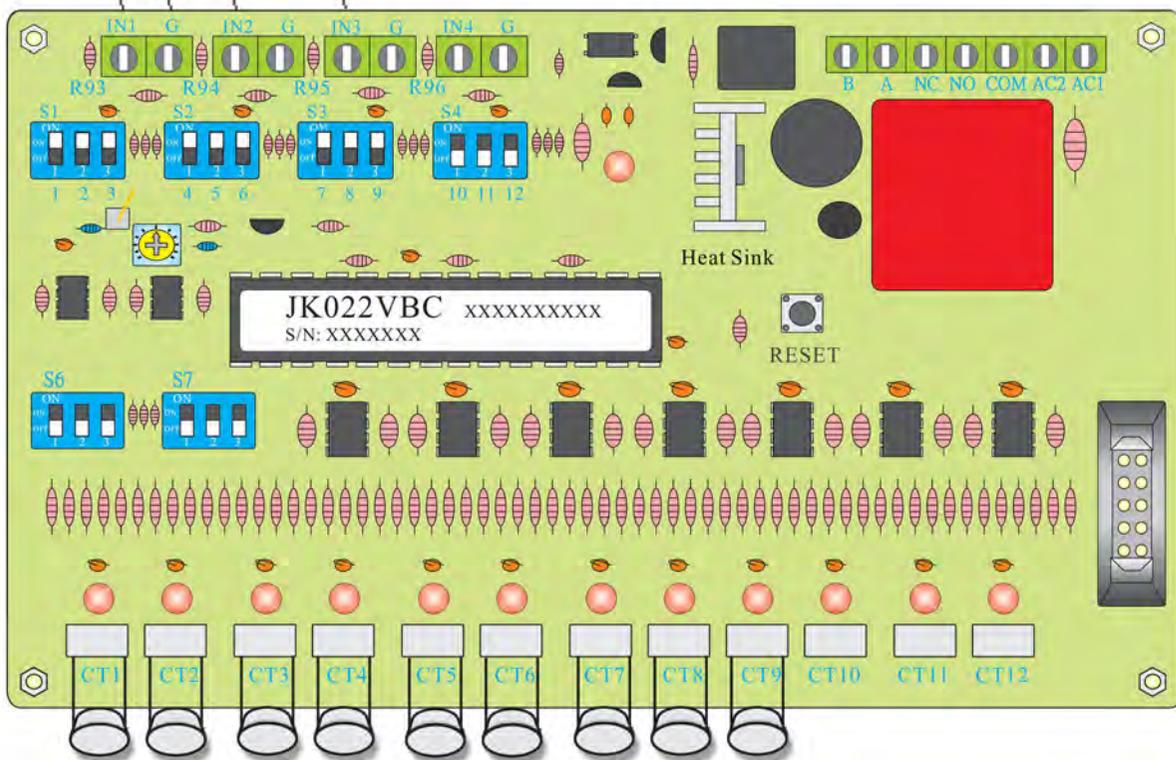
1 three-phase SCR power regulator connected to 9 sets load

English Edition v07, 2014.July.16/ Page,6

PID thermometer signal:4-20mA



Three-phase SCR power regulator terminal, the input signal adjust the 4 ~ 20mA ◦
AC1 AC2 NO COM NC 10V M + - E3 E2 E1



1. Thermometer + — enter the three-phase SCR power regulator terminal + — and then by the SCR terminal + connect disconnection inspect and notification controller IN1, IN2, In3, — connect to G, (G is concurrent, whether short connected to IN2's G point and IN3's G point can be).
2. The S1 DIP switch ; 1, 2, 3 need to open up, the S2 DIP switch ; 4, 5, 6 need to open up, the S3 DIP switch; 7, 8, 9 need to open up, **if not open will be no action, unable inspect and notification the load disconnected.**
3. Did not use to check the notification group (S4). DIP switches need to be down close.

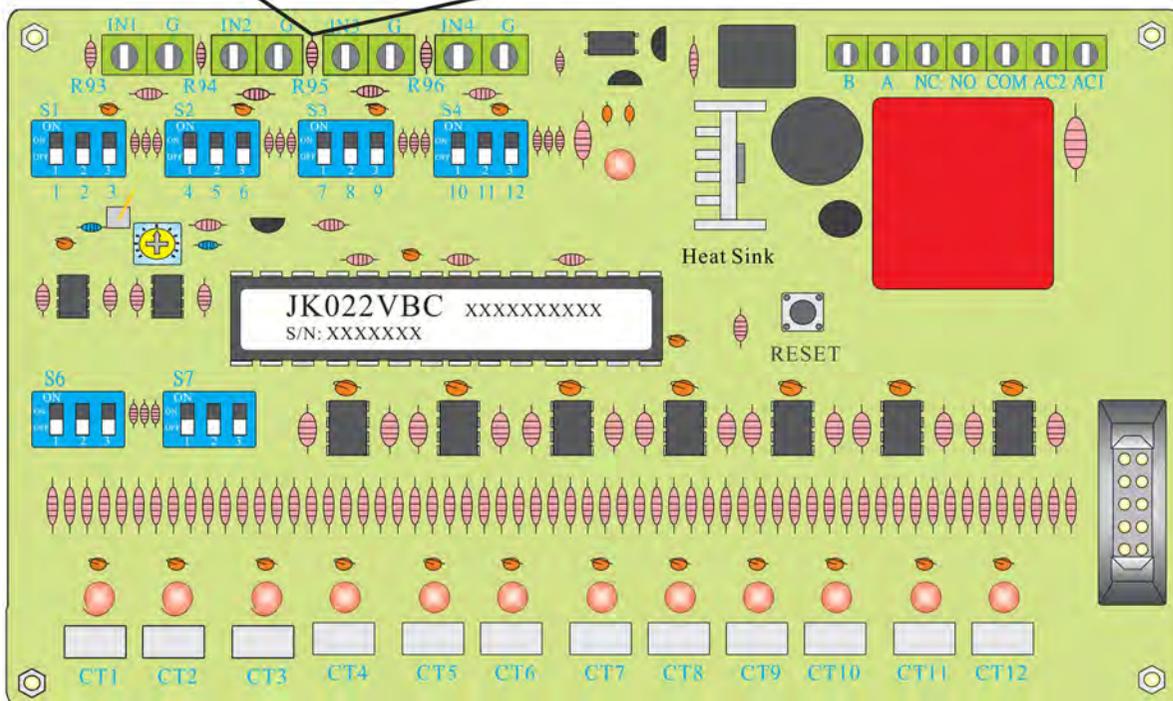
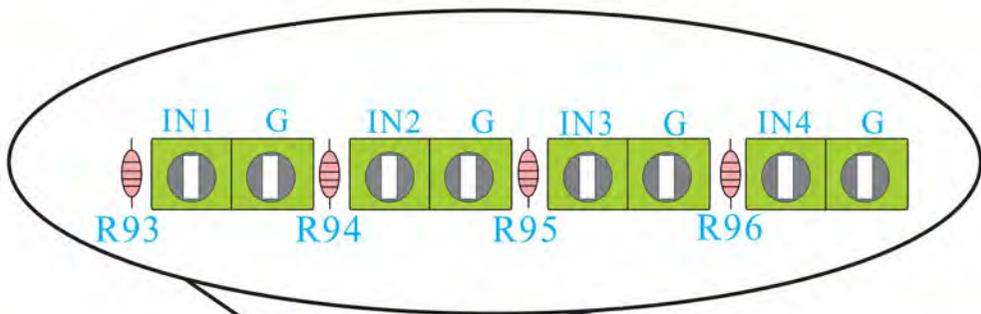
S1, S2, S3, S4, the DIP switch: white part of the dip switches need to be adjusted to the location.



JK022VBC Disconnection inspect and notification controller - Hand Book.

S.S.R. resistor replaced 390KΩ.

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1. Use solid electrical relay, need to replace the R93, R94, R95, R96 resistors 390KΩ .

S1, S2, S3, S4, the DIP switch: white part of the dip switches need to be adjusted to the location.