

## SCN-P41(P71) Smart speed Upper and Lower Limits Controller Manual

### I. Technical Data

Working voltage:ac110-250v dc24

Working environment:-20--50°C RH≥70%

Anti-interference:power ±3000V input ±2500V

Insulation Resistance: min 100MΩ

Power consumption≤4w

Output power:DC12V 30MA

Rotation Range:60-9999

### II. Characteristics

1. double rows four digital LED display PV window 60x16mm SV window 45x10mm
2. Two lines relay NO NC contact output
3. Signal input capable of switch signal,NPN sensor signal
4. Dc12v 30MA output available in supply of sensor work
5. Upper and lower limits alarm,alarm within / outer range and return difference

### III. Table 1

Function Symbols	Function	Range Set	Factory Value	Note
<i>our 1</i>	Relay output	0 1 2 3 4	0	0. Upper limits alarm 1.lower limits alarm 2. within range alarm 3. outer range alarm 4. lower limit return difference alarm Further info please refer to "table 2"
<i>HY 1</i>	Return difference control	0-9999	0100	Out1 relay return difference release
<i>our 2</i>	Relay output mode	0 1 2 3 4	1	1. Upper limits alarm 1.lower limits alarm 2. within range alarm 3. outer range alarm 4. lower limit return difference alarm Further info please refer to "table 2"

HY2	Return difference control	0-9999	0100	Out 2 relay return difference release
cP_A	Line speed perimeter	0.000-9.999	1.000	Line speed perimeter
cP_b	Rotation/line speed impulse	0-9999	0001	Rotation/line speed impulse equivalent

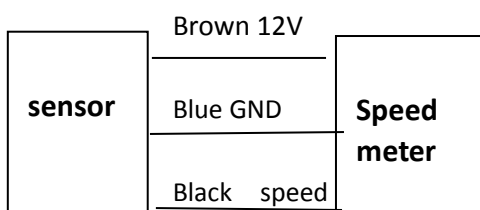
#### IV Table 2 OUF Alarm Mode

0 upper limits alarm: monitoring value > set value, relay gets absorbed; monitoring value < set value, relay releases
1 lower limits alarm: monitoring value < set value, relay gets absorbed; monitoring value > set value, relay releases
2. within range alarm: monitoring value within value set + HY1 value, relay gets absorbed set value > or < value set + HY1 value, relay releases
3. outer range alarm: monitoring value within value set + HY1 value, relay releases Set value > or < value set + HY1 value, relay gets absorbed
4. lower limit return difference alarm: display value > value set + HY1 value, activates relay calculation but not absorbed; display value < value set, even to 0, relay remains absorbed

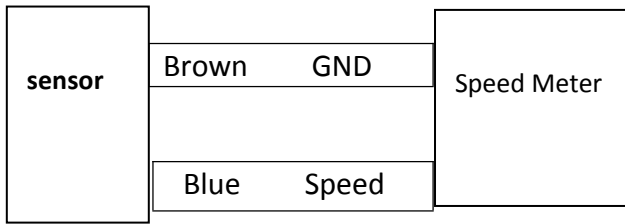
#### V. Return difference does not work when

within range alarm eg.: value set:200, HY1 100, alarm range within 100 and 300, other ranges no alarm
outer range alarm e.g: value set:200, HY1 100, no alarm between 100 and 300, other ranges alarm
lower limit return difference alarm e.g.: value set 500+ HY1 100, rotation activates relay without output, in case rotation >600, rotation drop below 500, relay gets absorbed

#### VI. Sensor wiring



**magnetic sensor wiring**



**VII. Panel Size**

mm					
型号	A	B	C	D	E
71	72	72	73	67.2	67.2
41	48	48	75	45	45

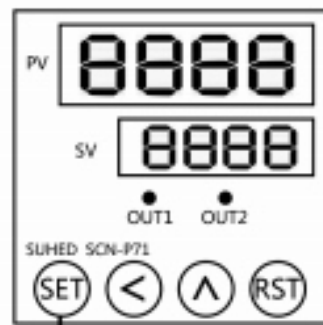
**VIII. Function and Set Steps**

Press "SET" to set one level






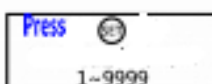
Press AL-1  
Input "OUT1" value

Press AL-2  
Input "OUT2" value

press Exit Save



Long press "SET" into level 2

- our 1 
- HY1  OUT 1 relay releases return difference
- our 2  relay output
- HY2  OUT 2 relay releases return difference
- cP\_R  Line speed perimeter
- cP\_b  Rotation/Line speed impulse Equivalent