HR series

Code Setting Timer

OPERATION GUIDE

Thanks for the purchasing our HR series Timer. Please do read the manual before the use of the meter so that you could make a full acknowledge of our product and operate it correctly. The edition of the manual si RE-H-05A0

1、Cautions

⑴ Do not use this product in following environment:

- full of the air that are easy to blast and fire
- full of strong erodible air or powder dust
- high temperature
- strong vibration or strike
- with water, oil dust, chemical splashing

⑵ Please make sure that the wire connection of every pin is set correctly and the power supply is in use limit before it is powered on
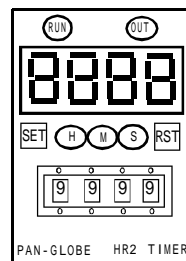
⑶ Breaking up, changing and repairing our product by yourself is forbidden

⑷ Please by far away from high-voltage, big-current dynamical wire while wire assignment for avoiding anti-jamming

2、Panel function instruction
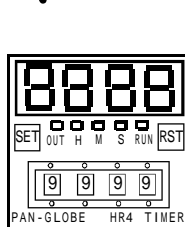
HR4

HR2

NO	Panel words	Content instruction
1	OUT	Output indicator
2	H	Hour unit indicator
3	M	Minute unit indicator
4	S	Second unit indicator
5	RUN	Working indicator
6	SET	Output delay time set key
7	RST	Reset key

3、Characteristics index

|	
Power supply	85V-265VAC; 50Hz/60Hz(available to select 10-50VDC input)
Current consumption	5VA MAX
Contact rated	250VAC/3A或30VDC/5A
Isolation strength	100MΩ/500VDC
Dielectric strength	≥2KV/1MIN
Operating temp./hum	−20~60℃ （no ice） 35~85%RH
Life of relay	Mechanical:10·10⁶; electronic:10·10⁵
Output delay time	0.1S~9.9S
Timing method	Up or down selecting
Repetivity	0.2%F.S
Setting accuracy	0.1%F.S
Reset time	200mS
Reset method	Power off or RST switch

4、Type distinguishing

HR☐ — ☐☐ ☐

size	code
DIN48×48	4
DIN7×58	2

counting digital	code
3 digital	3
4 digital	4

control output	code
one time limit contact	A
two time limit contact time limit & instantaneous contact	B

5、Dimension and panel cut out
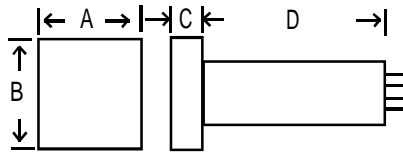
Appearance
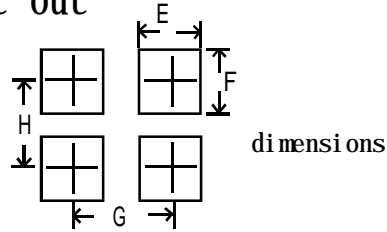
dimensions

size type	A	B	C	D	E	F	G	H
HR4	48	48	6	70	44+0.5	44+0.5	80	80
HR2	58	87	6	70	50	62	90	110

6、Connecting wire instruction

HR☐-☐A

HR☐-☐B

RESET START

DC - +

85_265VAC
50/60Hz

SW B A

instantaneous contact
3A/250VAC

DC - +

85_265VAC
50/60Hz

time limit contact
3A/250VAC
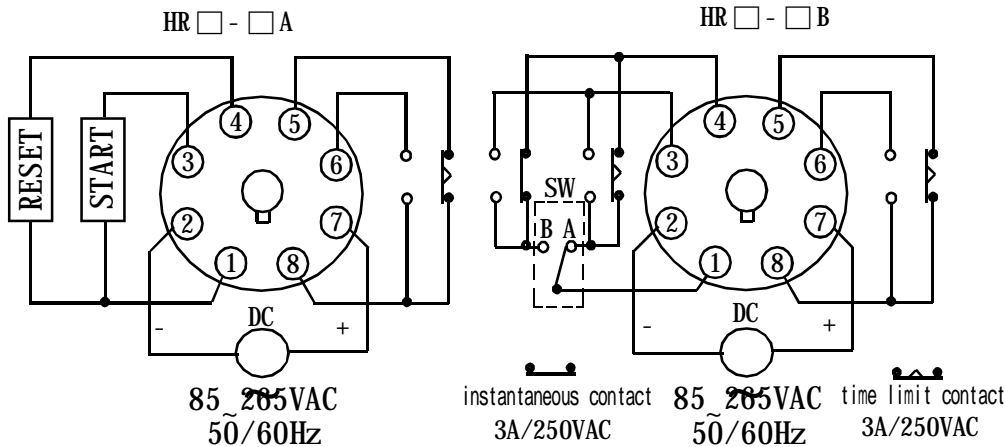
7、Operating describe

1、Delay time setting

Press SET key 5 seconds =》 d ☐☐ =》 Press SET key to set delay time

2、Timing unit selection

Press SET key with RST key to set timing unit:

0.1H> 0.01H> 0.1M> 0.01M> 0.1S-> 0.01S

3、Slide switch:

" M" :Manual reset   " A " :Two time limit contact

" AU " :Auto reset   " B " :One time limit &instantaneous contact

" LK " :To lock unit selection   " HL " :Memory function

" UL " :To unlock unit selection " NH " :no memory function

4、SW switch and SIP switch:

SW switch:

compare to figure 1 output method
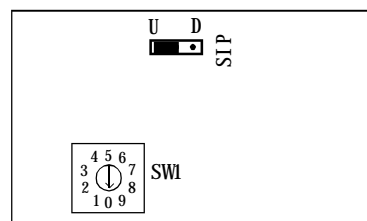
SIP switch:

U: Up timing

D: Down timing

U D SIP

SW

Figure 1: HR□-□A output method logic relationship

Manual reset □   Auto reset ■

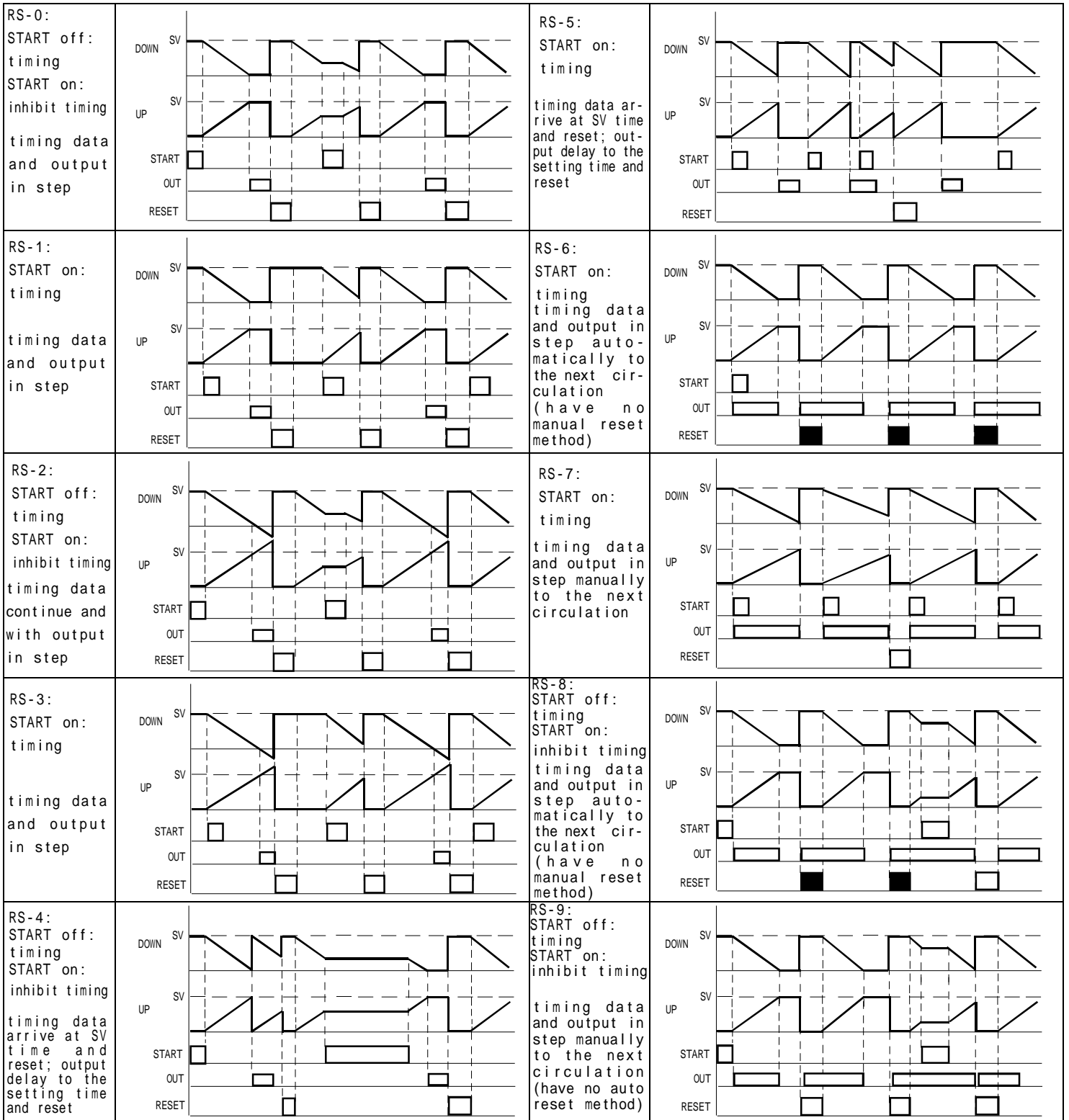|		
RS-0: START off: timing START on: inhibit timing timing data and output in step		**RS-5:** START on: timing timing data arrive at SV time and reset; output delay to the setting time and reset
RS-1: START on: timing timing data and output in step		**RS-6:** START on: timing timing data and output in step automatically to the next circulation (have no manual reset method)
RS-2: START off: timing START on: inhibit timing timing data continue and with output in step		**RS-7:** START on: timing timing data and output in step manually to the next circulation
RS-3: START on: timing timing data and output in step		**RS-8:** START off: timing START on: inhibit timing timing data and output in step automatically to the next circulation (have no manual reset method)
RS-4: START off: timing START on: inhibit timing timing data arrive at SV time and reset; output delay to the setting time and reset		**RS-9:** START off: timing START on: inhibit timing timing data and output in step manually to the next circulation (have no auto reset method)

Figure 2: HR□-□B output relationship

St: Setting Time
Rt: Resetting Time