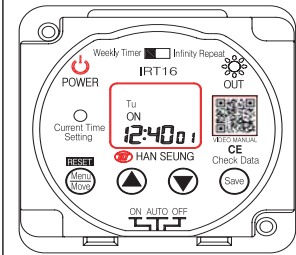


※ Please read the operating manual before using for proper use and safety.

1. Functions

Operating Manual

Model: IRT16 Rev.2.0



※ Please set the present time when the timer is being installed.

HAN SEUNG

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(VIDEO MANUAL)

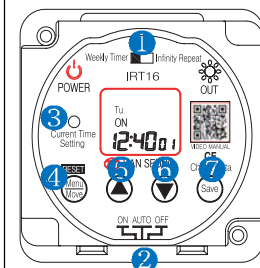
1) Weekly Timer

Weekly timer, Setting the On and Off times based on weekly schedule. (※ Max 10 times)

2) Infinity Repeat

Repeatedly switch on and off infinitely.

2. Function Buttons



① "Slide Switch" : select the function between Weekly Timer and Infinity Repeat

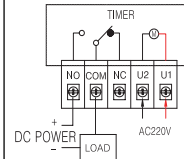
② "ON/AUTO/OFF"
ON : Always on irrelevant to setting.
AUTO : Automatically on and off by setting.
OFF : Always off irrelevant to setting.

- ③ "Current Time Setting" : Change to present day and time setting mode.
- ④ "Menu/Move" : Mode change & move cursor to right. (Data reset after 5 seconds of continuous press.)
- ⑤ "▲" : Increase button. (※ Press consecutively for 5 seconds to choose "SET 1" at initial display in Infinity Repeat function)
- ⑥ "▼" : Decrease button. (※ Press consecutively for 5 seconds to choose "SET 2" at initial display in Infinity Repeat function)
- ⑦ "SAVE" : Save input data. (※ check on/off schedule at initial display.)

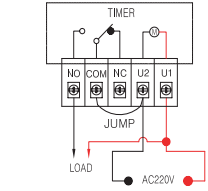
3. Wiring Diagram

1) IRT16-A, M, B

① External power Source using contacting point output

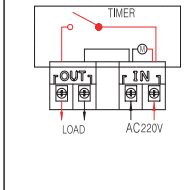


② Operating the load directly

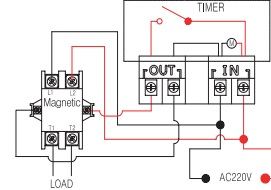


2) IRT16-S

① Operating the load directly



② Electromagnetic control (Single Phase)



4. Product Specifications

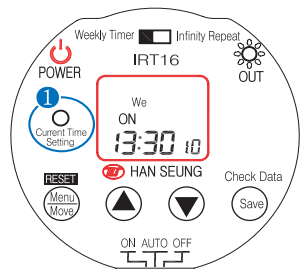
Model	IRT16-A	IRT16-M IRT16-B	IRT16-D	IRT25	IRT30	IRT50
Nominal Voltage	AC110~220V, 50/60Hz			AC220V, 60Hz		
Load Capacity	16A	16A	25A	30A	50A	
Fluorescent lamp(40W)	25EA	25EA	45EA	60EA	90EA	
Setting Range	Weekly Timer [Shortest Switching Time : 1Minute], Infinity Repeat [1H~99H/1M~99M/1S~99S]					
Type of Installation	A: panel(terminal with case) M: panel(bracket) BS: Din rail/Exposed	Plug-in	Exposed	Exposed		
Operating Temp	-10°C ~ 60°C					
Relative Humidity	0% ~ 80%					
Type of output	Input-2, Switch-3		Input-2, Output-2			
Relay Endurance	Electrical endurance (100,000 times)					
Panel mount size	A: 166.5(W)X66.5(H)mm					
Dimensions	B: 87.8(W)X13.0(L)X45(H)mm					

※ Do not directly connect electric heater and the motor load. Use magnetic connector for connection.
※ Use under 80% of the rated load for long lifetime use without malfunction.

⚠ Warning : Please arrange safety net such as duplex circuit, if loss of wealth is expected when time switch malfunctions.

5. Current Day / Time Change To 14:20 On Thursday

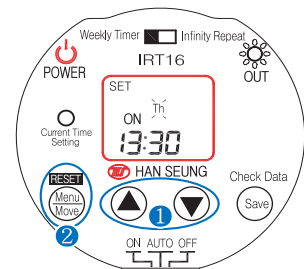
1) Move to Change Mode



① Press "Current time setting" button and move to the changing mode.

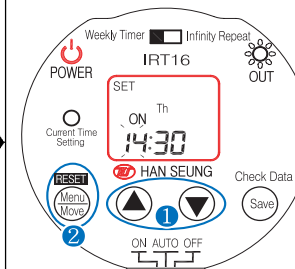
※ Data and internal clock is maintained by the power shortage recovery function.

2) Change Day



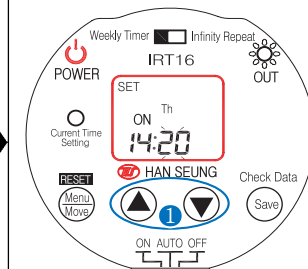
① Change the day to "Thursday" with "▲, ▼" button.
② Press "Menu/Move" button and move to the next.

3) Change Hour



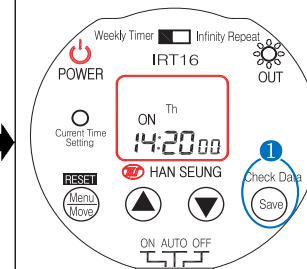
① Change the hour to "14" with "▲, ▼" button.
② Press "Menu/Move" button and move to the next.

4) Change Minute



① Change the minute to "20" with "▲, ▼" button.

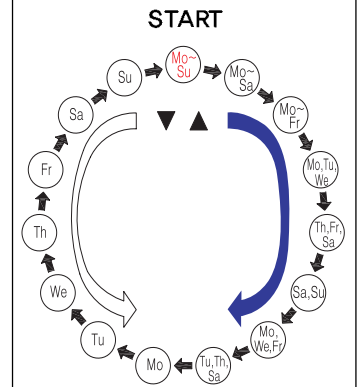
5) Save



① Press "Save" button if time is correct then move to the initial display.

6. Day of Week Change Sequence

On the Weekly Timer mode



: When "▲" button is pressed, move clockwise
"▼" button is pressed, move counter clockwise.

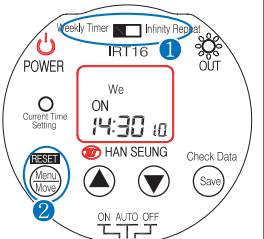
⚠ Warranty : Any Faulty that occurred in the manufacturing process or while in proper operation within 12 months from the manufactured date, we will repair free of charge if contacted to our company

7. How to Set Weekly Timer

Example) 18:30 ON, 06:20 OFF, Mon~Fri

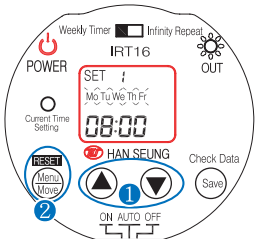
※ Initial set : SET 01(Mon~Sun/08:00~23:00),
SET 02~10(Mon~Sun/00:00~00:00)

1) Change to Weekly Timer



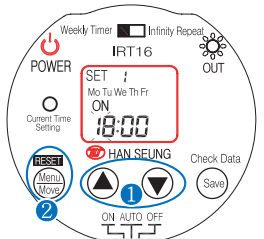
- 1 Move the slide switch to Weekly Timer.
- 2 Move to set mode by pressing "Menu/Move" Button.

2) Set day



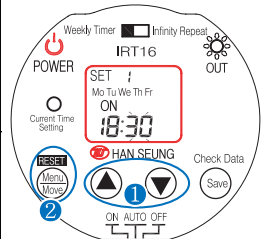
- 1 Change day of week to "Mon~Fri" with "▲,▼" button.
- 2 Press "Menu/Move" Button and move to the next.

3) Set ON hour



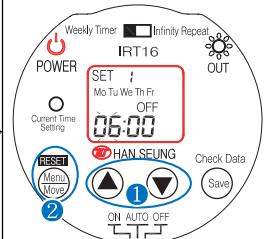
- 1 Change ON hour to "18" with "▲,▼" button.
- 2 Press "Menu/Move" Button and move to the next.

4) Set ON minute



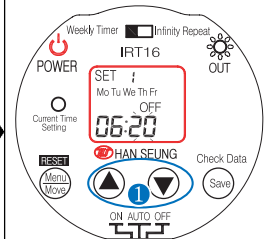
- 1 Change ON minute to "30" with "▲,▼" button.
- 2 Press "Menu/Move" Button and move to the next.

5) Set OFF hour



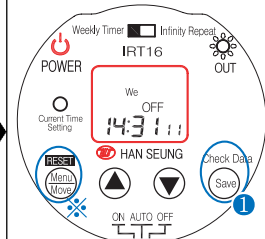
- 1 Change OFF hour to "06" with "▲,▼" button.
- 2 Press "Menu/Move" Button and move to the next.

6) Set OFF minute



- 1 Change OFF minute to "20" with "▲,▼" button.

7) Save

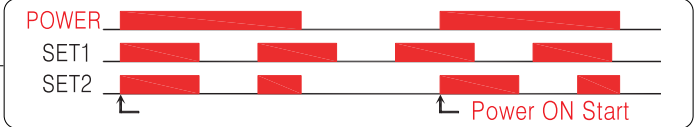


- 1 Press "Save" button then move to the initial display.

※ Press "Menu/Move" button for multiple setting and repeat 2)~6) (Max 10)

※ Initial set ; SET1, ON(H/6), OFF(M/20)

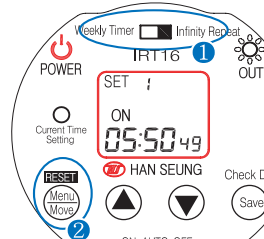
※ Refer "2. Function Buttons" to switch SET 2 or to the opposite direction.



8. How to Set Infinity Repeat

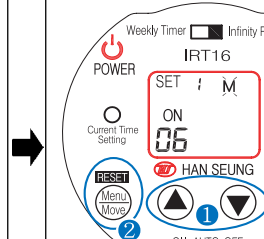
Example) Repeat 20 minutes ON, 8 hours OFF

1) Change to Infinity Repeat



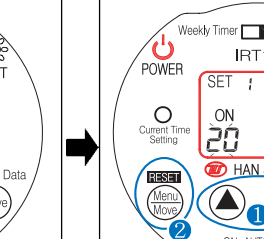
- 1 Move the slide switch to Infinity Repeat.
- 2 Move to set mode by pressing "Menu/Move" Button.

2) Set ON unit



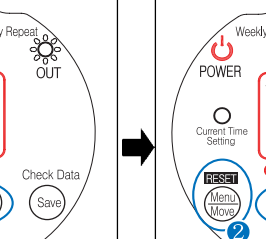
- 1 Change ON unit to "M" with "▲,▼" button.
(H: Hour, M: Minute, S: Second)
- 2 Press "Menu/Move" Button and move to the next.

3) Set ON period of time



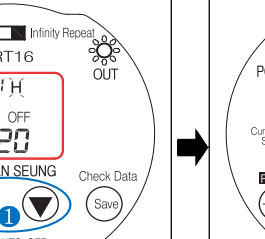
- 1 Change ON period of time to "20" with "▲,▼" button.
- 2 Press "Menu/Move" Button and move to the next.

4) Set OFF unit



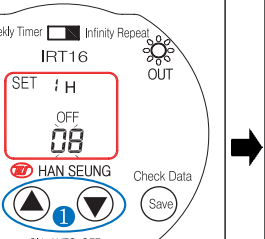
- 1 Change OFF unit to "H" with "▲,▼" button.
(H: Hour, M: Minute, S: Second)
- 2 Press "Menu/Move" Button and move to the next.

5) Set OFF period of time



- 1 Change OFF period of time to "08" with "▲,▼" button.
- 2 Press "Menu/Move" Button and move to the next.

6) Save



- 1 Press "Save" Button then operation will begin.

※ Please **DO NOT** move the slide switch during setting.