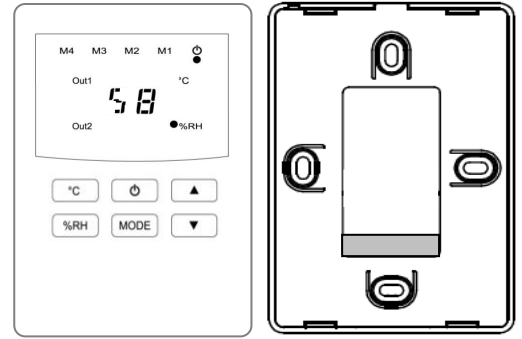# Temperature and Humidity Switch (Relay output) manual

Thank you for using our product! In order to avoid any possible damage, please kindly read carefully the instruction manual before use

Installation

1. Please make sure the package contains the device, accessory, manual.
2. Please select installation site.
3. Screw in the base against to wall or wiring box.
   ① Please refer figure 1 and figure 2 for wiring.
   ② Connect properly the PC board to the terminal (LED is on top) and push PC board back to the right position.
4. Please use18 AWG shielded wire for connection.

Front view   **Back view**

Notice: Please remove power from the unit before wiring, in order to avoid any damage or hazard.

Wiring terminal

Model with one setting point

RED	L	AC 85~265V or AC/DC 24V
WHT	N	
BLU	COM	OUT1
BLK	N.O.	
BRN	N.C.	

Notice: Mind the direction while wiring.

Model with two setting points

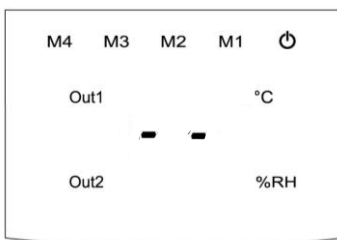| RED	L	AC 85~265V or AC/DC 24V
WHT	N	
BLU	COM	OUT1
BLK	N.O.	
BRN	N.C.	
ORG	COM	OUT2
GRN	N.O.	
PPL	N.C.	

Operation

a. Press [⏻] for 2 secs to power on/off the device.

b. Press [▲] and [▼] to adjust the setting point, when LED starts flashing.

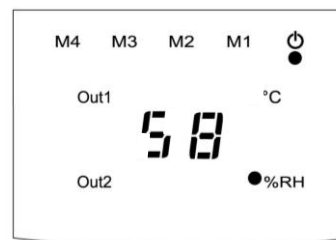c. Press [%RH] and [°C] to switch the unit.

Notice: The display will return to the VIEW mode if no button is pressed for 5 secs.

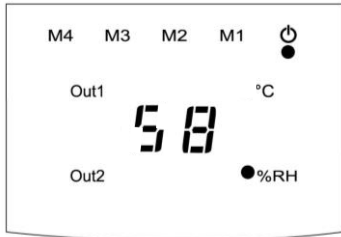### 1. Switch on/off the device:

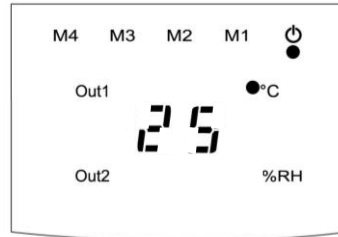**a. Standby**:

b. VIEW mode:

2. Switch humidity value and temperature value:
 a. The value displayed in VIEW mode is humidity value when the device is set as "Dehumidification" or "Humidification". When press [°C] , temperature value will be displayed and then switch back to humidity value after 5 seconds.
 b. The value displayed in VIEW mode is temperature value when the device is set as "Heating" or "Cooling". When press [%RH] , humidity value will be displayed and then switch back to temperature value after 5 seconds.
 c. The value can be alternatively displayed in VIEW mode and also can be switched by pressing [%RH] and [°C] when the device is set as "Dehumidification and cooling". (Only available for the model with two outputs)
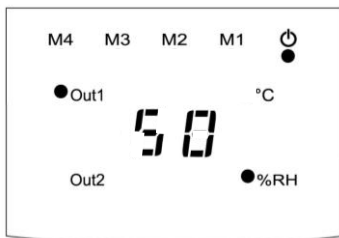
Display humidity value

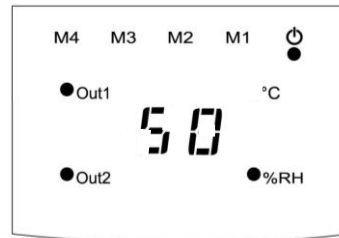**Display temperature value**

3. Reference point setting:
 a. The default reference point setting in "Dehumidification" or "Humidification" is 50 %RH
 b. The default reference point setting in "Heating" or "Cooling" is 25 ℃
 c. The default reference point setting in "Dehumidification and cooling" is as below:
    Out 1: 50%RH, Out 2: 25℃ (Only available for the model with two outputs)

OUT1 reference point setting

OUT1 and OUT2 reference point setting*
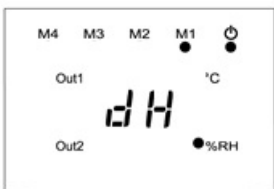* Only available for the model with two outputs

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Parameter setting:

a. Press [MODE] for 5 seconds to enter Mode selection menu.
b. Press [▲] and [▼] to select function or adjust value.
c. Press [MODE] to switch from mode 1 to mode 4.
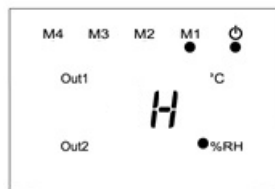   **The display will return to the VIEW mode if no button is pressed for 10 secs.

Mode 1: Switch functions
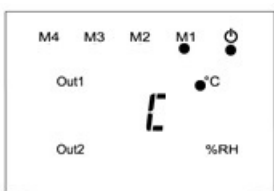Four/ five (Only available for the model with two outputs) functions can be selected.
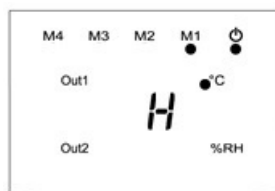
a. Dehumidification (default)

b. Humidification
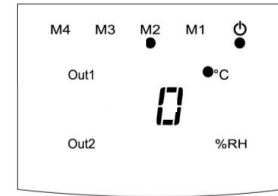

c. Colling

d. Heating 升溫模式顯示

e. Dehumidification、cooling
   * Only available for the model with two outputs

Mode 2：Temperature and humidity value calibration

a. Calibrate temperature value and pres MODE to switch for humidity calibration.
b. The calibration range is 9 ~ -9 (℃/%RH).

Mode 3：Active range for relay output:

a. The adjustment range: 0 ~ 9 (℃/%RH)

Function	Default value for Out1	Default value for Out2
Dehumidification	3%RH	5%RH
Humidification	3%RH	5%RH
Cooling	1 ℃	3 ℃
Heating	1 ℃	3 ℃
Dehumidification and cooling	3%RH	1 ℃

Note: OUT2 is only available for the model with two outputs

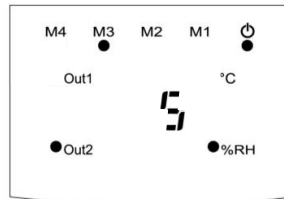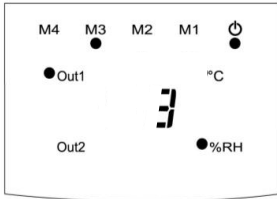b. The relay will be active during the range of the reference point ± setting value of active range.
Example:
When the device is set as "Cooling". The reference point is set as 25℃ and the value of active range is set as 1℃.
The relay will be triggered when temperature reaches 26℃ and stopped when temperature is at 24℃.
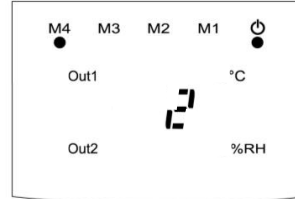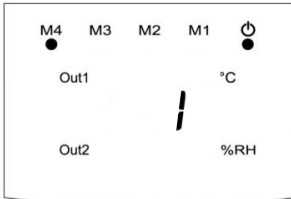
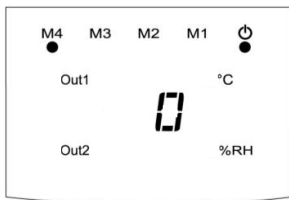OUT1 relay activated display　　　　　　　　OUT2 relay activated display

Mode 4：System settings

Press ▼ to switch numbers.

a. Select "1" is set to reboot the system
　when power on the device after power failure. (Default)

b. Select "2" is set to go to "Reference point setting"
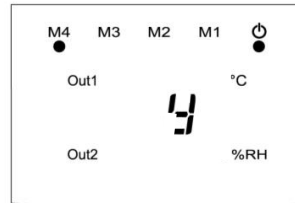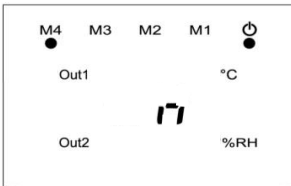　when power on the device after power failure.

c. Select "3" to return to VIEW mode when power on the
　device after power failure.

Reset mode:

a. Select "n" if you do not want to reset all settings. (default)

b. Press ▼ switch to "y" if you want to reset all settings.

Press MODE to return to VIEW mode.

3　　　　　　　　　　　　　　　　　　3WIA-B2250-361