

## Panel Mount Humidity Controller

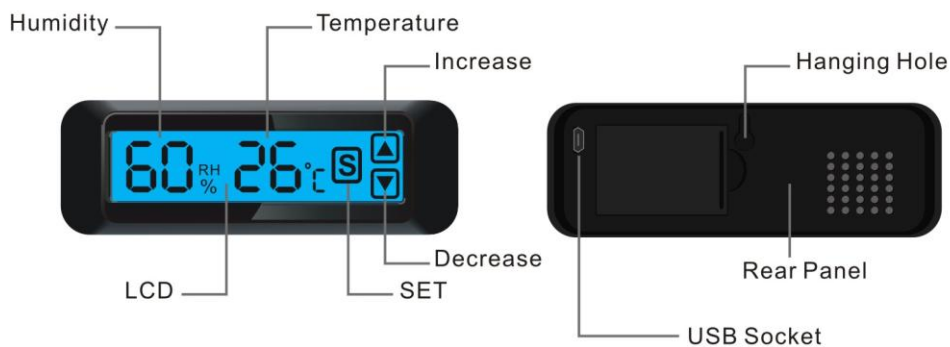
### SH105H

Thanks for purchasing this Panel Mount Humidity Controller (SH105H). Issue humidity controlling signal when the preset value is reached. Suitable for dry cabinet, cigar store, humidistat and industrial device which humidity need to be controlled.

#### Feature and specification

- ※ Measure temperature and humidity
- ※ Humidity measuring range: 10%~95%RH
- ※ Temperature measuring range: 32°F~140°F (0°C~60°C)
- ※ Accuracy :  $\pm 2^\circ\text{F}$  ( $\pm 1^\circ\text{C}$ ) ;  
 $\pm 3\% \text{RH}$  (30%~80%RH),  $\pm 5\% \text{RH}$  for beyond
- ※  $^\circ\text{C}/^\circ\text{F}$  display conversation (Push and hold SET button for 2 seconds to convert the display of Celsius and Fahrenheit. Default set is Celsius.)
- ※ Humidity controlling signal output: 3.3 ~ 5VDC,  $\leq 40\text{mA}$
- ※ The blue backlight is on when connected with power source of 3.3~5.5V by USB
- ※ Touch screen to set (SET, UP and DOWN)
- ※ Product Face Size : 4.17\*1.42 inch (106\*36 mm)
- ※ PMount Hole Size: 3.66\*1.30 inch (93\*33 mm)

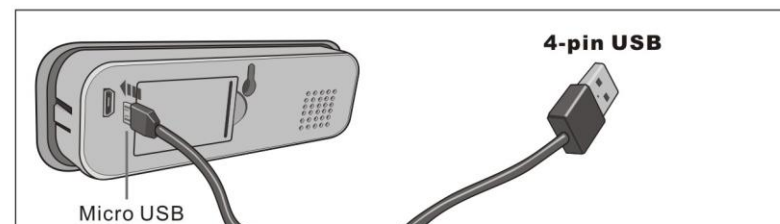
#### Appearance sketch



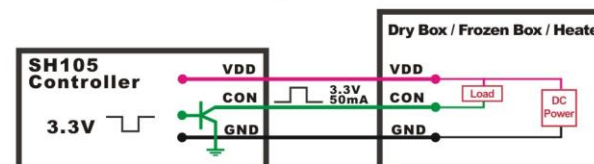
#### Operation Guide

1. Connect the product to the power source (3.3~5.5VDC) on device via the provided USB cable according to the connecting direction in Diagram 2.
2. Push and hold SET button for 2 seconds to select the suitable temperature unit (Celsius or Fahrenheit).
3. Press SET button to enter humidity threshold value setting. At this moment, the humidity digits on LCD is blinking (The default setting is 40%RH).
4. Set the humidity by pressing " $\nabla$ " or " $\nabla$ " button
5. Press SET button again to confirm and return to normal status.

#### Connection Instruction



#### PIN Control schematic diagram



#### External pin connection:

- VDD--Red wire connects to power source 3.3~6.5VDC from device
- CON--Green wire to issue controlling signal, high level 3.6V
- GDN--Black wire connects to ground wire

#### 4-pin USB connection (start from left)

