

FGD-0109

Temperature and Humidity Sensor Quick Installation Guide

Informational Reference for Authorized Installers and Fitters

1. Overview

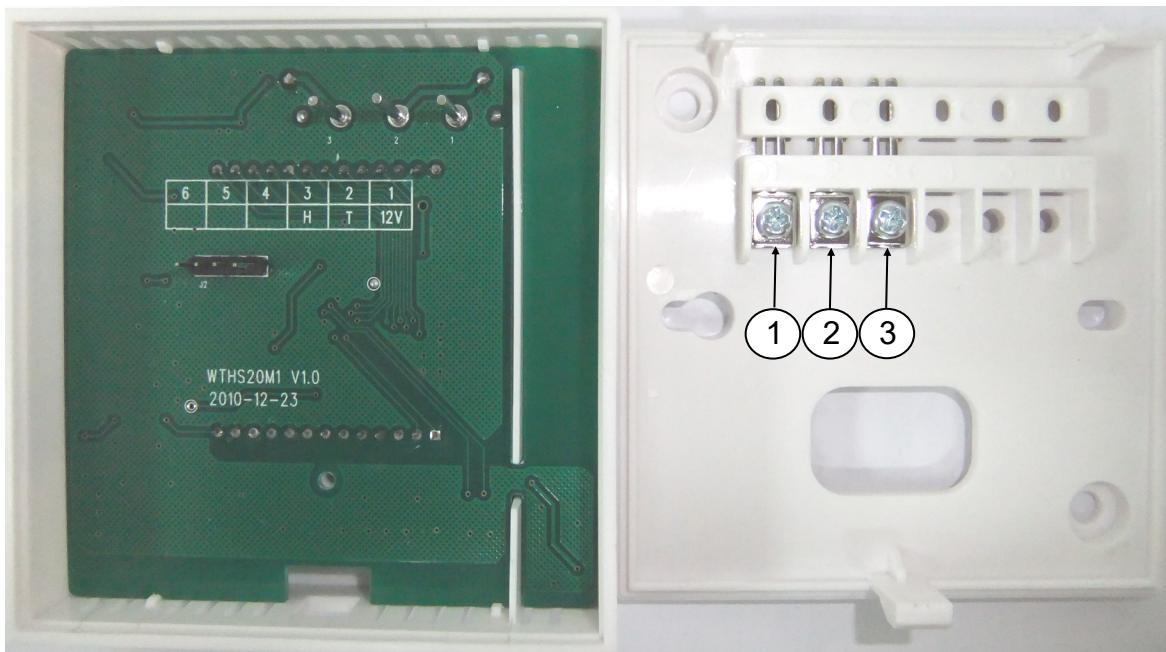
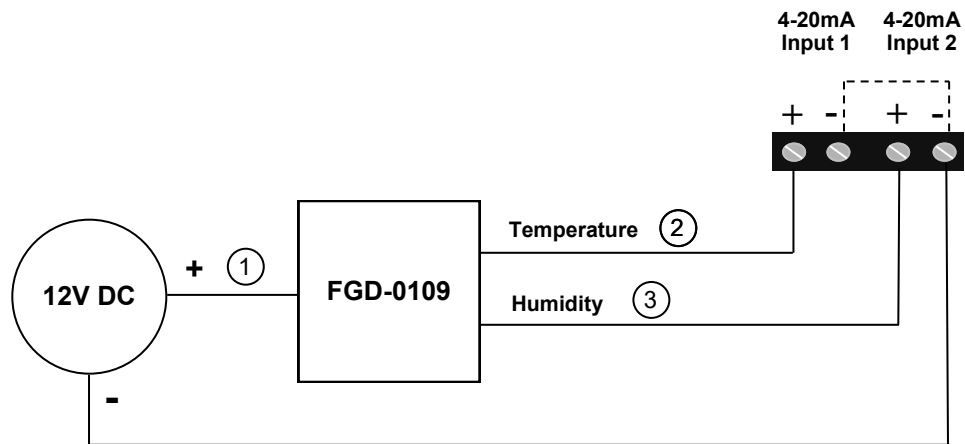
FGD-0109 temperature and humidity sensor is compact and user friendly. It measures and displays both ambient temperature and relative humidity at the same time.



Main Features:

1. 12V DC (12-24V DC) Main Power Input
 2. Temperature Sensing Range: 0°C – 50°C (-32°F– 122°F) (Accuracy: $\pm 0.5^{\circ}\text{C}$ at 25°C)
 3. Humidity Sensing Range: 0 – 100% RH (Accuracy: $\pm 5\%$ RH at 25°C)
 4. Temperature Display Unit: Degree Celsius or Degree Fahrenheit
 5. 4-20 mA Analog Output
 6. Dimension: 80 x 80 x 28mm
 7. Weight: 250g
 8. Material: ABS
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2. Wiring Connection



- ① 12V DC +
- ② Temperature Output
- ③ Humidity Output

3.1 Configure Temperature Display Unit °C / °F

1. Press and hold **▲** and **ENTER** for 3 seconds

2. Press **▼** for **Degree C** / **▲** for **Degree F** -----

Set °C

 /

Set °F

3. Press **ENTER** to save, press **MENU** for 3 times to exit

3.2 Configure Humidity Display RH.

1. Press and hold **▲** and **ENTER** for 3 seconds and then press **MENU**

2. Press **▼** for **no RH display** / **▲** for **RH display** -----

Set %

 /

Set RH%

3. Press **ENTER** to save, press **MENU** twice to exit

3.3 Temperature and Humidity Offset Value Setting

1. Press and hold **MENU** and **ENTER** for 3 seconds

2. Use **▲** and **▼** to input password: 11 and then press **ENTER** -----

PS 11

3. Use **▲** and **▼** to input temperature offset value -----

ERR 0.0°C SET

4. Press **ENTER** to save, press **MENU** to go to next page

5. Use **▲** and **▼** to input humidity offset value -----

ERR RH% SET 0.0%

6. Press **ENTER** to save, press **MENU** to exit