SENSAPHONE®
REMOTE MONITORING SOLUTIONS

SENSAPHONE OUTDOOR HUMIDITY TRANSMITTER • FGD-0052-OD
Installation Instructions

The Sensaphone Outdoor Humidity Transmitter sensor will allow you to monitor Humidity from 0-100% with any Sensaphone that will accept a 4-20 Input signal. The FGD-0052-OD will require a 24VDC power supply to operate (Part No: FGD-0070) for any Sensaphone that does not provide 24VDC output power.

Note on wiring: Use 22AWG shielded wiring for all connections (Sensaphone Part No. FGD-0010) and do not locate the device wires in the same conduit with wiring used to supply inductive loads such as motors. Disconnect the power supply before making any connections to prevent electrical shock or equipment damage. Make all connections in accordance with national and local codes.

Described below is the correct way to wire your Humidity Transmitter Sensor to your Sensaphone.

1.) Follow your Sensaphone's owners manual to configure an input for a 4-20mA sensor. Use the following scale:

   Table High: 100% RH

   Table Low: 0% RH

2.) Open the cover and locate the terminal strip.

3.) Connect the positive terminal of a 24VDC power supply to the terminal labelled "PWR" on the humidity sensor. Sensaphone recommends the use of FDG-0070 in this application.

4.) Connect the terminal labelled "OUT" on the humidity sensor to the positive (+) terminal of the Sensaphone input you configured in Step 1.

5.) Connect the negative terminal of the power supply to the negative (-) terminal of the Sensaphone input you configured in Step 1.

6.) Wiring is complete. Reinstall the front cover and power up the external power supply.