

Wireless Temperature Sensor

Wireless Temperature Humidity Sensor (onboard relay)



It features low power consumption optimized for battery-powered operation and a compact form factor. Its onboard relay can turn on/off equipment when temperature or humidity is higher/lower than user preset level.

G7 contains 5 variants of wireless temperature humidity sensors:

- ❖ **G7-T2-R**
Single Temperature Probe, 2m cable, 50mm steel housing
- ❖ **G7-TX-R**
Single Temperature Probe, 10cm steel housing
- ❖ **G7-DT-R**
Dual Temperature Probes, 2m cable, 50mm steel housing
- ❖ **G7-H2-R**
Temperature Humidity Probe, 1m cable, water resistant
- ❖ **G7-H6-R**
Temperature Humidity Probe, 1m cable, water resistant



Features

- * Temperature Sensor
-55 ~ 125 °C (+/- 0.5°C)
- * Temperature Humidity Sensor
-55 ~ 125 °C (+/- 0.3°C), 0~100%RH (+/-2%)
- * IP65 waterproof PVC case

Wireless Temperature Sensor

Wireless Temperature Humidity Sensor

G7 Wireless Sensor

It sends real time temperature and humidity reading wireless to the Base Station.

Power Options

1) Standard Battery

- Voltage: 3.6VDC, 3400mAh
- Battery Life: > 3 years (upload: 30min)
- Dimension: 80 x 80 x 28 mm



2) Extended Battery

- Voltage: 3.6VDC, 14000mAh
- Battery Life: > 10 years (upload: 30min)
- Dimension: 115 x 90 x 55 mm



3) Solar panel & controller built-in

- 1W onboard solar panel
- Optional 6W external solar panel
- 3400mAh rechargeable battery
- Onboard overcharge protection
- Dimension: 115 x 90 x 55 mm



Features

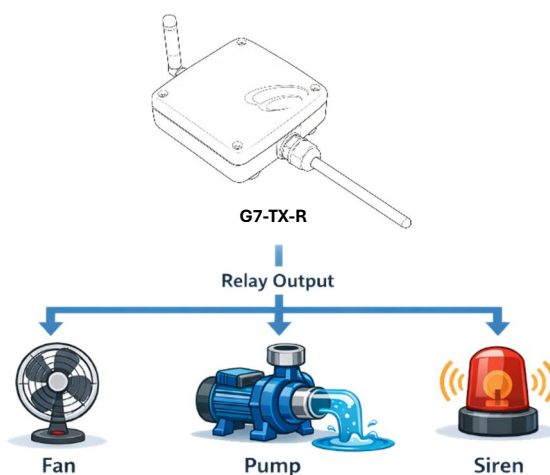
- * Up to 1200m wireless
- * Programmable data upload interval: 5s ~ 4hr
- * Programmable High/Low Alarm Level
- * RF 433/868/915MHz
- * RF Power < 20dBm
- * Programmable 5 digits sensor ID

Characteristics

- Supply Voltage: 2.5 ~ 3.6VDC
- Storage Temperature: -40 ~ 75 C
- Operating Temperature: -20 ~ 75 C
- Upload Rating: 50mA
- Standby Rating: < 3.0uA

Onboard Relay Specification

- Relay Output: On/Off
- Rating: 30VAC/1A, 350VAC/0.12A
- State: Normal Open
- Alarm Triggered: Close
- Programmable Time Lapse: 0 ~ 255s



- * Programmable high or low alarm level
- * Resume Normal alert
- * Independent operation without base station