

W-SYS-FR

HOBOnode Wireless Frost Alarm Starter System

HOBOnode Wireless Frost Alarm Starter System - W-SYS-FR

Discontinued

The HOBOnode Wireless Frost Alarm System, which combines a wireless temperature sensor, receiver, and free software (web download), provides a simple, cost-effective way to monitor frost and ice conditions. The system can wirelessly transmit air temperature readings to a PC, and provide audible and visual alarm notifications via cell phone text messaging and email when frost conditions occur. The HOBOnode Wireless Frost Alarm System, which combines a wireless temperature sensor, receiver, and free software (web download), provides a simple, cost-effective way to monitor frost and ice conditions



Supported Measurements

Temperature

Features

- Wireless sensor transmits current field conditions to your PC
- To aid in frost control, the accompanying free software provides alarm notifications to your cell phone, e-mail, or PC.
- HOBOnode Repeaters available to extend range
- Additional Sensors can be easily added to a HOBOnode network
- A Mounting bracket and two zip ties are provided for both the HOBOnode Temp and HOBOnode Receiver

Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- Email sales@onsetcomp.com
- Call 1-508-759-9500
- In U.S. toll free 1-800-564-4377
- Fax 1-508-759-9100

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Technical Support (8am to 5pm ET, Monday through Friday)

- Contact Product Support www.onsetcomp.com/support/contact
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

HOBOnode Wireless Frost Alarm Starter System (W-SYS-FR) Specifications

HOBOnode Receiver

- **Transmission range** - HOBOnodes to receiver 300m (1000') range with clear line-of-sight. Any obstructions such as vegetation or walls will reduce range significantly.
- **Wireless Data Standard** - IEEE 802.15.4, in the 2.4 GHz ISM band - [Click here for local RF Regulation Compliance](#)
- **Environmental rating** - NEMA 6P, IP68; (transmitter end)
- **Operating range** -40° to +50°C (-40° to 122°F)
- **Receiver communication to PC** - 1.8m (6') USB cable (extend with optional extension cables up to 80 feet)
- **Max. Number of HOBOnodes and Repeaters** - 50
- **Receiver Battery Life:** 3 yrs typical
- **Receiver Power:** USB powered with battery backup to retain network setup if PC is turned off. (Note that no data is stored in the receiver.)
- **Dimensions:** 16.5 x 5 cm (6.5" x 2")

HOBOnode Wireless Temperature Sensor

- **Measurement Range:** -40° to 100°C (-40° to 212°F)
- **Accuracy** - 0.22°C from 0 to 50°C (0.4°F from 32° to 122°F) - Note: For accurate temperatures in sunlight we recommend the use of our [solar radiation shield. \(RS3\)](#)
- **Resolution** - 0.025° at 25°C (0.045°F at 77°F)
- **Response time** - 3 minutes in air moving 1m/s; 30 seconds in water
- **Sample rate** -1 reading per minute
- **Battery life** - 1 yr typical w/o charging; 3 yrs typical w/ solar charging
- **Size** -16.5cm x 5cm; 3.7m cable to sensor (6.5" x 2"; 12' cable)
- **Memory** - None in HOBOnodes; requires [HOBOnode Viewer](#) to be running for data storage.
- **Transmission range** - HOBOnodes to receiver or repeater: 300m (1000') range with clear line-of-sight. Any obstructions such as vegetation or walls will reduce range significantly.
- **Wireless Data Standard** - IEEE 802.15.4, 2.4 GHz ISM band (license free worldwide) - [Click here for local RF Regulation Compliance](#)
- **Environmental rating** - HOBOnodes: NEMA 6P, IP68; temperature sensor probe is rated for 1-year immersion in freshwater ? 50° C (122° F)
- **Operating range- standard range:** -20° to +50°C (-4° to 122°F) with optional lithium batteries: -40° to +50°C (-40° to 122°F)
- **Setup/Installation:**
 - recommend 8' x 1-1/4", schedule 40 PVC pipe for mounting (purchase through local building supply store)
 - for windy locations we also recommend our Guy Wire Kit ([M-GWK](#)) and ½" Stake Kit ([M-SKA](#))
 - note that the HOBOnodes should not be mounted on or near metal surfaces.