



Ambient Weather WS-1401-IP OBSERVER Solar Powered Wireless Internet Remote Monitoring Weather Station, Compatible with Alexa

Send real time data to AmbientWeather.net, an exclusive. The Ambient Weather Network is the most user friendly design for monitoring your data across different platforms. Quickly view detailed information with our animated expandable modules.

Monitor indoor and outdoor conditions, including wind speed, wind direction, rainfall, UV, solar radiation, barometric pressure, indoor temperature, indoor humidity, dew point, heat index, wind chill and more.

Includes dials, gauges, graphs and text reports for every parameter. Download the data to your computer for further data analysis.

Report your weather station data live over the Internet to Wunderground.com, and become part of the world's largest weather station network!

The data can be viewed from any web browser or any number of the available mobile device apps available from Wunderground.com.

The ObserverIP module receives data from the sensor array and indoor sensor, and connects to your router. The ObserverIP is configured through any web browser. Your computer does not have to be left on to connect and report data to the Internet.

The Ambient Weather WS-1400-IP OBSERVER weather station, combines reliability, easy installation and wireless technology. The OBSERVER is accurate, precise, and affordably priced.

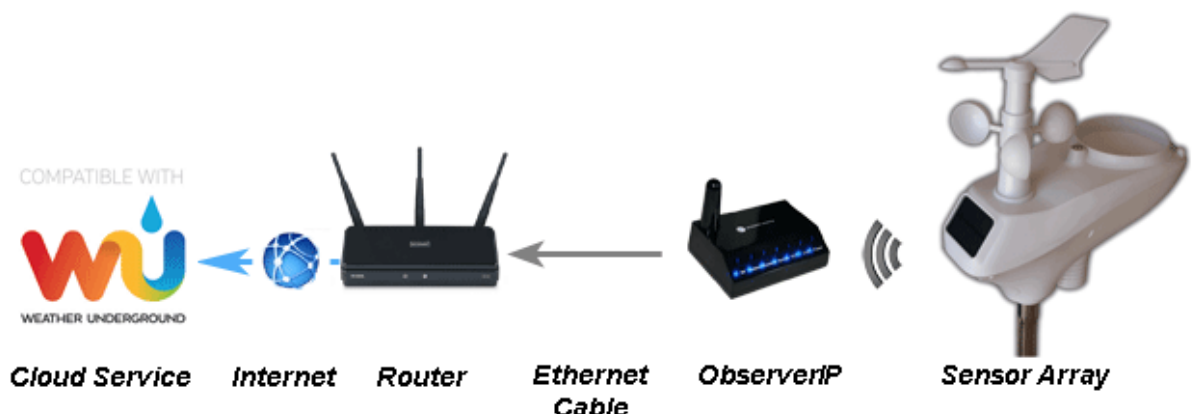
It transmits 915MHz with less than 10mW from the outdoor sensor array and indoor temperature sensor to the ObserverIP module, which plugs directly into your router, providing real-time internet monitoring.

The wireless all-in-one integrated sensor array measures wind speed, wind direction, temperature, humidity, wind speed, wind direction, rainfall, UV and solar radiation.

The indoor sensor measures barometric pressure, indoor temperature and indoor humidity.

The all-in-one sensor array features a pagoda thermo-hygrometer radiation shield with passive aspiration for the utmost accuracy, a bubble level for plumb installation, and a solar panel.

The sensor array mount includes a small swaged pole for mounting into a standard [Ambient Weather mounting solution](#).



Features

• **Weather Station Features:**

- Wireless all-in-one integrated sensor array for wind speed, wind direction, temperature, humidity, wind speed, wind direction, rainfall, UV and solar radiation.
- Wireless indoor thermo-hygrometer-barometer sensor
- 915 MHz RF < 10mW wireless transmission with 300' line of sight range (100' under most conditions, with the exception of metal barriers)
- 14 second real-time updates on the ObserverIP and the internet

• **ObserverIP Features:**

- ObserverIP module connects to your router and sends data to Wunderground.com. Includes Ethernet cable and AC adapter.
- Calibration for all measured parameters.
- Supports both imperial and metric units of measure.
- Publish real time data to Wunderground.com. No fees.

• **AmbientWeather.net Features:**

- Mobile friendly and responsive web design looks great on any phone, tablet, laptop or desktop.
- App not required. Simply view in your web browser and bookmark on your home screen. Saves memory and bandwidth.
- Customizable Dashboard Displays Dials, Gauges, Graphs and Text Reports
- Send email or text alerts for high and low conditions for every parameter. Send multiple alerts for the same parameter.
- Monitors both indoor and outdoor conditions.
- Includes handy timeline for tracking alert history.

• **Wunderground.com Features:**

- The most popular personal weather station (PWS) hosting service in the world
- Free 'cloud based' service
- Real-time Streaming Updates (rapid fire flash view)
- Weather Station Google Mapping
- Historical data archiving (daily, monthly, yearly and custom)
- WeatherCam integration with time lapse video and daily archiving (weathercams sold separately)
- Personal weather station stickers for your website
- Graphs and tabular data
- Comma Separated File (csv) export
- XML Feeds

• **Specifications:**

- Indoor Temperature Range: 32 to 140 °F
- Indoor Temperature Accuracy: ± 2 °F
- Indoor Temperature Resolution: 0.1 °F
- Outdoor Temperature Sensor Range: -40 to 140 °F (with lithium e2 Energizer batteries)
- Outdoor Temperature Accuracy: ± 2 °F
- Outdoor Temperature Resolution: 0.1 °F
- Indoor Humidity Range: 10 to 99%
- Indoor Humidity Accuracy: ± 5 %
- Indoor Humidity Resolution: 1 %
- Outdoor Humidity Range: 10 to 99%
- Outdoor Humidity Accuracy: ± 5 %
- Outdoor Humidity Resolution: 1 %
- Barometric Pressure Range: 8.85 to 32.50 inHg
- Barometric Pressure Accuracy: ± 0.08 inHg (within range of 27.13 to 32.50 inHg)
- Barometric Pressure Resolution: 0.01 inHg
- Solar Radiation (Light) Range: 0 to 400,000 Lux
- Solar Radiation Accuracy: ± 15 %
- Solar Radiation Resolution: 1 Lux
- UV Range: 0 to 15
- UV Accuracy: ± 1
- UV Resolution: 1
- Rain Range: 0 to 394 in.
- Rain Accuracy: ± 10 %
- Rain Resolution: 0.01 in
- Wind Direction Range: 0 - 360°
- Wind Direction Accuracy: ± 1 °
- Wind Direction Resolution: 1°
- Wind Speed Range: 0 to 100 mph (operational)
- Wind Speed Accuracy: ± 2.2 mph or 10% (whichever is greater)
- Wind Speed Resolution: 0.1 mph
- Wind Speed Calculation: Average wind speed in 16 second update period
- Wind Gust Calculation: Peak wind speed in 16 second update period

• **Power Specifications:**

- Indoor Remote sensor : 2xAAA batteries (not included)
- Outdoor sensor array: 3xAAA batteries (not included)

• **Dimensions:**

- Sensor Array, appx. (HxLxW): 14 x 12 x 6"
- Indoor thermometer-hygrometer-barometer (HxWxW): 2.5 x 3.5 x 1"
- ObserverIP Dimensions: 3 x 2.5 x 1"

• **Other Features:**

- Includes swedged stub pole for standard pole mounting and straight snub pole for universal pole mounting
- Bubble level for accurate mounting

• **Power Consumption:**

- IP Module: Input 5V DC; 110-240V 50-60 Hz wall charger included, Power Consumption: 7.5 Watts < 100 mA