WeatherHawk®

for home automation

Automated
weather
stations
to optimize
your home
environment

WeatherHawk®

"We integrated a wireless WeatherHawk with an AMX system for a pilot who wants to check the weather at this home from anywhere. The system puts his weather information throughout the home and onto the Internet. The cool thing about the WeatherHawk is you can connect to it directly, or wirelessly, making a retro install very easy."

Mark Hicken | CID Systems | Hurricane, Utah

500 Series

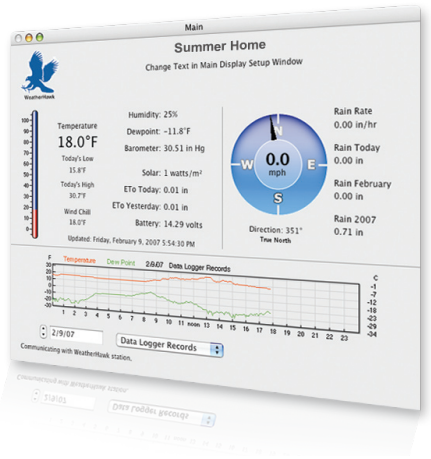
WeatherHawk® Weather Stations

Measure and record weather information with a WeatherHawk home weather station to understand your microclimate, optimize your home environment, and control your landscape irrigation.

"I installed the WeatherHawk system . . . , which has made my one-acre lawn the envy of the neighborhood while cutting my water bills in half." Damon Cooper, Homeowner, Framingham, Massachusetts

WeatherHawk offers two high-accuracy product families: the Signature Series and the 500 Series. The Signature Series is a cost effective weather-monitoring solution with a modern-weather-station look. 500 Series systems are low-profile to complement your home's appearance, with all solid-state sensors for low maintenance and high reliability. Both systems have many mounting options.

You can interface your WeatherHawk with most home-control systems, personal computers, and home networks. It can connect directly, wirelessly, or through IP hardware.



WeatherHawk® XP/X software

Signature Series, Utah.

"We have used the WeatherHawk for years and our technicians have found it to be very reliable and easy to interface with our Crestron touch panels. I would recommend this product to any serious systems integrator." ***Bill Maronet / ETC Inc. / West Palm Beach, FL***

Software

WeatherHawk software manages the weather station; collects, displays, and logs data; and generates reports. The software can run on a PC or Mac, connect to the internet, and support a personal weather webpage.

Benefits

WeatherHawk provides real-time weather data:

- Wind speed and direction
- Outside air temperature and relative humidity
- Barometric pressure
- Solar radiation
- Rainfall and ET (evapotranspiration)

Get this information at a glance on home-control system touch panels and home computers, and export it to a personal website for easy remote access.

"My WeatherHawk has helped me monitor conditions at my country house. Great tool to plan my weekends on the mountain!" Francesco Lemonis, Homeowner, Peristeri, Greece.

Up-to-the-minute weather reports from your WeatherHawk let your home-control system:

- Open and close window coverings
- Close storm shutters and regulate fountains
- Regulate walkway heaters
- Control irrigation systems for water conservation

Signature Series, Colorado.

500 Series Specifications

Weather Station			
Temperature Range:	-40° to +140°F (-40° to +60°C)		
I/O:	Direct connection RS232 Optional wireless RF Optional IP server module		
Charging Voltage:	16 to 22 V		
Current Drain:	10 mA without heater 1.1 A with heater		
Sensors			
Air Temperature:	Capacitive ceramic	**Range:**	-60° to +140°F (-52° to +60°C)
Relative Humidity:	Capacitive thin-film polymer	**Range:**	0 to 100%
Barometric Pressure:	Capacitive silicon	**Range:**	17.72 to 32.48 in. Hg (60 to 110 kPa)
Solar Radiation:	Silicon pyranometer	**Range:**	0 to 1000 W/m^2
Rain:	Piezoelectric	**Rate:**	0 to 7.87 in./hr (0 to 200 mm/hr)
		Resolution:	0.001 in. (0.01 mm)
Wind Direction:	Ultrasonic	**Azimuth:**	0 to 360 degrees
Wind Speed:	Ultrasonic	**Range:**	0 to 134 mph (0 to 60 m/s)

Signature Series Specifications

Weather Station			
Temperature Range:	-40° to +158° F (-40° to +70° C)		
I/O:	Direct connection RS232 Optional wireless RF Optional IP server module		
Charging Voltage:	16 to 22 V		
Current Drain:	10 mA		
Sensors			
Air Temperature:	Thermistor	**Range:**	-40° to +122°F (-40° to +50°C)
Relative Humidity:	Resistive bulk polymer	**Range:**	0 to 100%
Barometric Pressure:	Piezoresistive transducer	**Range:**	4.43 to 33.96 in. Hg (15 to 115 kPa)
Solar Radiation:	Silicon pyranometer	**Range:**	0 to 1000 W/m^2
Rain:	Tipping bucket--self draining	**Rate:**	0 to 28 in./hr (0 to 720 mm/hr)
		Resolution:	0.04 in. (1.0 mm)
Wind Direction:	Vane	**Azimuth:**	0 to 360 degrees
Wind Speed:	Three-cup anemometer	**Range:**	0 to 210 mph (0 to 60 m/s)

WeatherHawk®

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