

## Weather Station WS-PRO LT for automatic scheduling



### Specifications

#### Compatible Modules

- Automatic ET
- Multiple Weather Station

#### Communication options:

- wireless 2,4ghz radio up to 250 mts line of sight
- hardwire up to 6000 mts

#### Power supplied required

- 16 to 22 Vdc
- optional solar panel

#### Temperature Range: -40° to +50°C

#### Air Temperature Sensor

- Operating range : -40° to +50°C
- Accuracy: ±0,5°C

#### Relative Humidity Sensor

- Operating range 0-100%
- Accuracy ±6% - 90% to 100% RH ±3% - 0% to 90% RH

#### Rain Gauge Sensor

- Resolution 1 mm

#### Solar Radiation Sensor

- Accuracy ±2,5%

#### Wind Direction Sensor

- Range 360° mechanical, 356° electrical,

#### Wind Speed Sensor

- Starting threshold 0,78 ms<sup>-1</sup>

### Product Features

- **Reliable Sensor Input** – Rain Bird's easy-to-install Weather Stations come equipped with a full sensor array which provides accurate measurement of six different types of weather data:
  - Air temperature
  - Wind speed
  - Solar radiation
  - Wind direction
  - Relative humidity
  - Rainfall
- **Superior ET Model** – Rain Bird's central control systems use weather sensor input to modify watering schedules by using the industry standard Penman-Monteith equation to determine evapotranspiration (ET) rates.
- **Automatic ET Download/Selective Usage** – Automatically download weather data daily and calculate ET to determine irrigation times for the entire system or specific areas, holes or stations.
- **ET Override** – Allows you to easily set certain programs to ignore ET values when determining runtimes.
- **Weather data reports** – Generate reports to show current or past weather conditions by the hour, day, week, month or year.
- **Unlimited data storage** – Store unlimited weather data at the Central Control.

- **Cost Savings** – ET adjusted irrigation times apply only the water you need to replace the water lost from the soil reservoir.  
More efficient irrigation results in less water wasted for non-beneficial reasons resulting in reduced pump station operation, and lower energy costs.
- **Rain Bucket** – Allows rainfall from one day to be carried over to the following day(s) for more accurate ET calculations.
- **Multiple Station Capacity** – Connect up to five weather stations to one central control system for more precise ET values based upon different weather conditions around the golf course.
- **Max Rain Fall** – User-defined Max Rain Fall can be set to limit the amount of acceptable rainfall for clay soil types.

**NOTE:** WS Pro LT will not generate alarms.

How to Specify/Order:		
Model		P/N
WS PRO LT H	Hardwire, AC Power	H59930
WS PRO LT WL	Wireless, AC Power	H59960
WS PRO LT H S	Hardwire, Solar	H59935
WS PRO LT WL S	Wireless, Solar	H59965

## RainGauge



### Specifications

Collects rainfall information from field locations for use by the central control system.  
Requires sensor decoder to connect to Central Control system.

How to Specify/Order:	
Model	P/N
RAINGAUGE	M61010

### Product Features

- Accurate rain counter switch counts rainfall in 0,25mm increments
- Heavy-duty metal construction
- Mounting bracket.
- Debris screen
- diameter 10 cm

## Weather Station WS-PRO2 for automatic scheduling and alarms



### Product Features

- Reliable Sensor Input** – Equipped with a full sensor array which provides accurate measurement of six different types of weather data:
  - Air temperature
  - Wind speed
  - Solar radiation
  - Wind direction
  - Relative humidity
  - Rainfall
- Superior Et Model** – Rain Bird's central control systems use weather sensor input to modify watering schedules by using the industry standard Penman-Monteith equation to determine evapotranspiration (Et) rates.
- Automatic ET Download/ Selective Usage** – Automatically download weather data daily and calculate ET to determine run times for the entire system or specific areas, holes or stations.
- ET Override** – Allows you to easily set certain programs to ignore ET values when determining runtimes.
- Cost Savings** – ET adjusted run times apply only the water you need to replace the water lost from the soil reservoir. More efficient irrigation results in less water wasted for non-beneficial reasons resulting in reduced pump station operation, and lower energy costs.
- Rain Bucket** – Allows rainfall from one day to be carried over to the following day(s) for more accurate run time calculations.
- Multiple Station Capacity** – Connect up to five weather stations to one central control system for more precise ET values based upon different weather conditions around the golf course.
- Max Rain Fall** – User-defined Max Rain Fall can be set to limit the amount of acceptable rainfall for clay soil types or other areas that are subject to high runoff.
- Generate Alarm for...**
  - Rain
  - High or Low Ambient temperatures
  - High Winds
  - Rainfall Intensity
  - Soil Temperatures
 ... that exceed user-defined thresholds in user-defined time periods.
- Automatic Shut Off/Turn On** – Rain Bird central control systems automatically shut OFF irrigation to the entire system or to specific areas (teebox, fairway, green, etc...) when alarm conditions are detected at the weather station. They also automatically turn ON irrigation when weather conditions return to the acceptable range for irrigation.
- Automatic Pause/Resume** – Rain Bird central control systems automatically suspend irrigation to the entire system or specific areas (teebox, fairway, greens, etc...) when alarm conditions are detected by the weather station. They also automatically resume irrigation when weather conditions return to the acceptable range for irrigation.
- Automatic Notification** – The WS PRO2 weather station can automatically notify you at the central control when alarm conditions exist.
- Weather data reports** – Generate reports to show current or past weather conditions by the hour, day, week, month or year.
- Unlimited data storage** – Store unlimited weather data at the Central Control.

### Specifications

#### Compatible Modules

- Automatic ET
- Multiple Weather Station
- Smart Weather Alarms Range

#### Communication options

- Telephone
- Hardwire up to 6000 mts

#### Power Supply Required

- 9,6 to 16 Vdc
- Optional solar panel

#### Temperature Range

- 25° to +50°C

#### Air Temperature Sensor

- Operating range -25° to +50°C
- Accuracy ±1.5°C

#### Relative Humidity Sensor

- Operating 0-100%
- Accuracy ±6% - 90% to 100% RH  
±3% - 0% to 90% RH

#### Rain Gauge Sensor

- Resolution 0,25mm

#### Solar Radiation Sensor

- Accuracy ±3%

#### Wind Direction Sensor

- Range 360° mechanical,  
356° electrical,
- Accuracy ±4°

#### Wind Speed Sensor

- Starting threshold 0,4 ms<sup>-1</sup>

#### How to Specify/Order:

Model		P/N
WS PRO2 PH	Phone, AC Power	H5990001
WS PRO2 DC	Direct Communication, AC Power	H5991001
WS PRO2 WL	Wireless, AC Power	H5990501
WS PRO2 PH S	Phone, Solar	H5991501
WS PRO2 DC S	Direct Communication, Solar	H5992501
WS PRO2 WL S	Wireless, Solar	H5990601