

Spectrum® WatchDog® Weather Station Specifications & Details

Rain Bird introduced the Spectrum WatchDog Weather Station (P/N H3552C4) in November 2023, following the discontinuation of the WS-PRO2 and WS-PRO LT. The WatchDog weather station offers a high level of accuracy at a much lower cost. This makes it practical to have multiple weather stations and track microclimate conditions across the property.



Specifications verbiage for tender packages:

“The weather station shall be a Spectrum® WatchDog weather station model 3552 sold by Rain Bird. This is required to ensure API/Communication compatibility with a Rain Bird Central Control System. It shall include the capability to calculate daily ET values using a modified Penman equation. It shall use sensor data such as air temperature, wind speed and direction, solar radiation, relative humidity and rainfall.

The WatchDog weather station sold by Rain Bird shall be a standalone unit that wirelessly communicates weather data through a cellular connection and is solar powered.

The WatchDog weather station sold by Rain Bird shall offer the ability to report weather data in CirrusPRO™ so it can be configured as a weather source and allow for automatic irrigation via



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ET values provided daily. This data shall also be available to create customized weather reports in CirrusPRO.

The WatchDog weather station sold by Rain Bird P/N H3552C4 shall include a 5 year cellular data package, which can be extended in yearly increments after expiration.”

Grounding requirements:

As the WatchDog weather station is solar powered and communicates via a cellular modem, there are no grounding requirements.

Location recommendations:

Please ensure that there is cellular coverage at the location you plan on installing the WatchDog Weather Station. If not, this product will not work.

As ET values are highly influenced by the surrounding conditions of the WatchDog weather station, it should be located directly over the grass type that the end user is seeking the ET value for. The unit should be installed outside play, and where overhead irrigation cannot reach the rain can. A nursery area where grass is maintained similarly to the rest of the course is often a good location.

The unit can be mounted on a concrete pad surrounded by the desired grass type, but it is not required. It comes with a tripod and stakes to firmly secure it to the ground while providing the flexibility of moving the station for mowing or to evaluate other areas for micro-climate changes.

SKU Information:

Description	Part Number
WatchDog Weather Station (first unit)*	H3552C4
Additional units ^{††}	H3552C4ADD
Recurring yearly data plan (after the first 5 years)	H3010RB

*Includes a 5-year data plan and API Key for connectivity with CirrusPRO.

^{††}All additional units also include their own 5 year data plan but share the same API Key as the first unit. Data plans do not stack and each weather station will require a data plan renewal after 5 years.



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Additional Sensors and Accessories:

Up to six additional sensors can be added to the WatchDog weather station, including: soil temperature probe, leaf wetness sensor, soil moisture sensor, etc. More information can be obtained on the Spectrum website at www.specmeters.com.

Note: The data collected by any added external sensors is not reported in CirrusPRO but can be viewed in the SpecConnect App from Spectrum.

Users can also subscribe to Disease & Insect prediction modeling for an annual fee (offered directly from Spectrum).

Compatibility:

1. The WatchDog weather station purchased through Rain Bird (P/N H3552C4) is compatible with CirrusPRO build 4.6 or newer.
2. Legacy WatchDog units or those purchased from a Spectrum sales channel are not compatible with CirrusPRO as they are not compatible with the API key required for integration.
3. WatchDog weather stations are not compatible with the Rain Bird Classic centrals such as Stratus LT, Stratus II, Nimbus II, and Cirrus.

Additional Information:

For any additional information, please do not hesitate to contact a member of the Golf Specification Team using the details below.

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