



Rain Bird IQ4 Central Control

WatchDog Weather Station – IQ4 User



IQ4 – WatchDog Weather Station

Table of Contents

- Overview
- Part Numbers and Pricing
- Ordering process
- Specification
- Documents
- Installation Notes
- IQ4 Weather Source Setup



Overview

- The WatchDog weather station is a stand-alone weather station for calculating ET and rainfall daily for us with ET-based irrigation programs
- IQ4 allows users to access a WatchDog weather station's data and use it for Standard and Advanced ET programs
- 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 any site location.



Part Numbers and Ordering

	Description	Product ID	Model Number
Domestic North America:			
	Weather Station - 5-year connectivity	IQ7010	IQWD-CELL-DOM
	Tripod	IQ7011	IQWD-TRI-DOM
International Markets:			
	INT WatchDog WS - 5-year connectivity	VIQ7020	IQWD-INT
	INT WatchDog WS for Middle East/Africa - 5-year connectivity	VIQ7021	IQWD-MEAF
	INT tripod	VIQ7022	IQWD-TRI-INT

- **Ordering Information:**

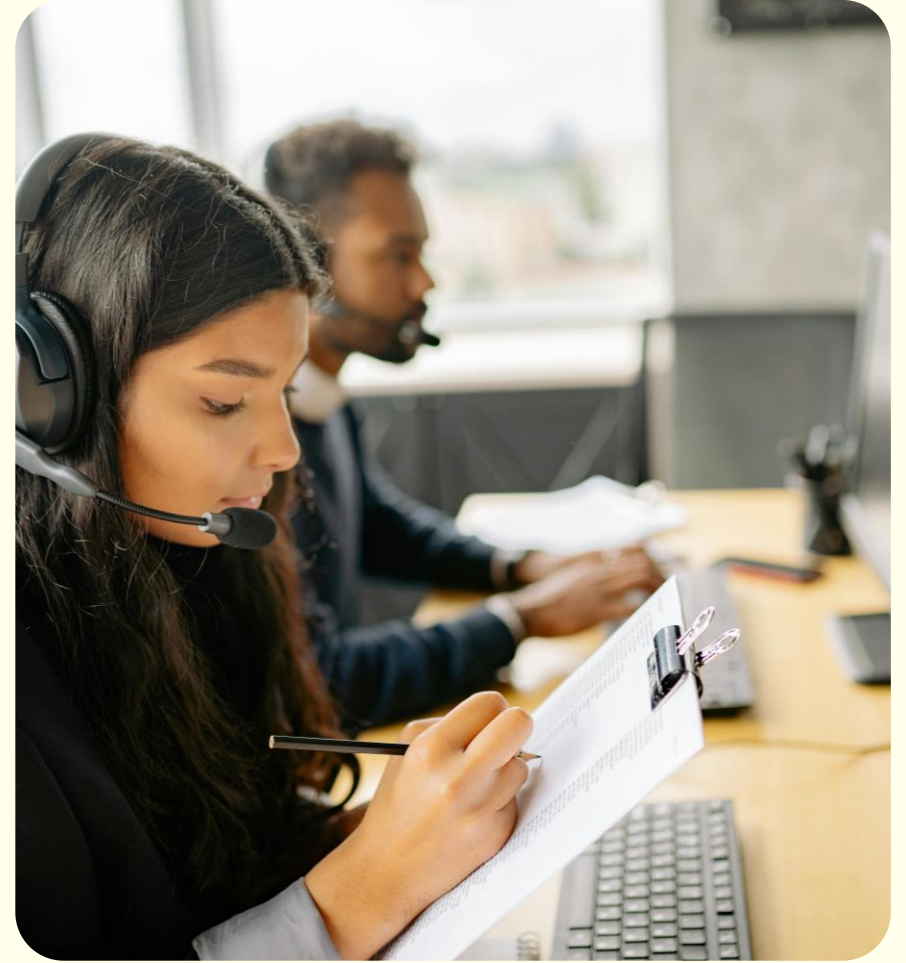
- List price for the WS includes the weather station, 5-year cellular subscription and 5-year SpecConnect app subscription
- When ordering a WatchDog weather station, two SKUs must be ordered. One is for the weather station, and one is for the tripod that the weather station is mounted on.
- In the domestic US market, the two SKUs that are to be ordered are IQ7010 and IQ7011. In the international markets, the two SKUs that are to be ordered are either VIQ7020 or VIQ7021 plus VIQ7022





Ordering Process

- Customer
 - Places order for WatchDog with Distributor and completes order form
 - Receives WatchDog weather station with Serial Number/API key
 - Installs SpecConnect app and initializes the weather station
 - Adds WatchDog weather station to IQ4 with Serial Number/API key
- Distributor
 - Places order for WatchDog weather station with Rain Bird
 - Submits order form with customer information
 - Receives WatchDog weather station with Serial Number/API key from Rain Bird
 - Delivers WatchDog weather station to customer





Specification

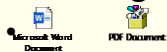
- The weather station shall be a Spectrum® WatchDog weather station model 3552 sold by Rain Bird. This is required to ensure API/Communication compatibility with a Rain Bird IQ Central Control System. It shall include the ability to calculate daily ET values using a modified Penman equation. It shall 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 IQ4 so it can be configured as a weather source and allow for automatic irrigation via ET values provided daily. This data shall also be available to create customized weather reports in IQ4.
- The WatchDog weather station sold by Rain Bird P/Ns IQ7010/IQ7011 shall include a 5-year cellular data package, which can be extended in yearly increments after expiration.





Documents

- Marketing



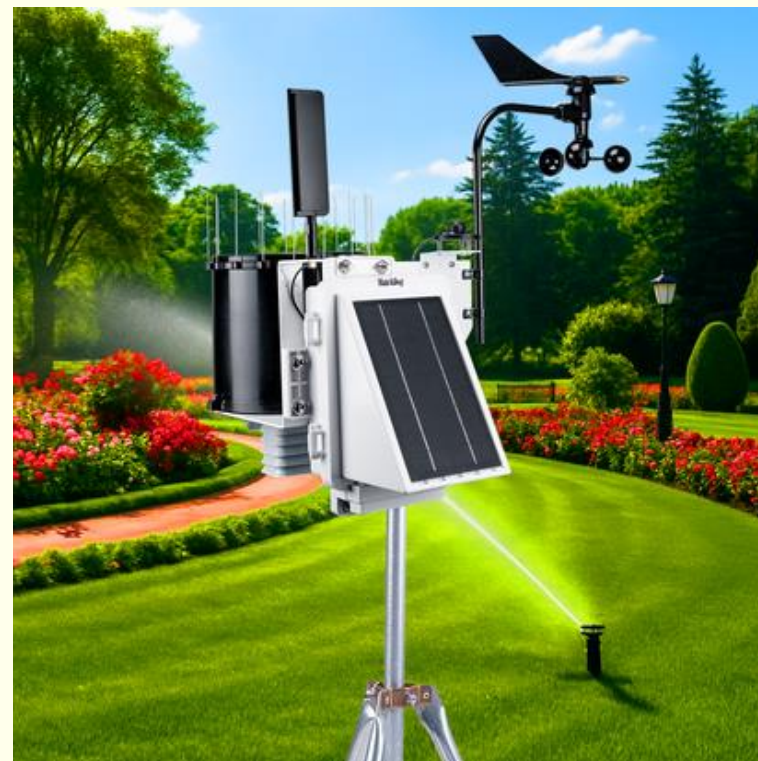
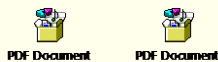
- Specification

- TBD

- Technical



- Support/Troubleshooting





Installation Notes

• Location recommendations:


- Please ensure that there is adequate 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. For commercial/municipal locations, it is recommended that the unit be installed outside public use areas, and where overhead irrigation cannot reach the rain can. A nursery area where grass is maintained similarly to the rest of the site 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.

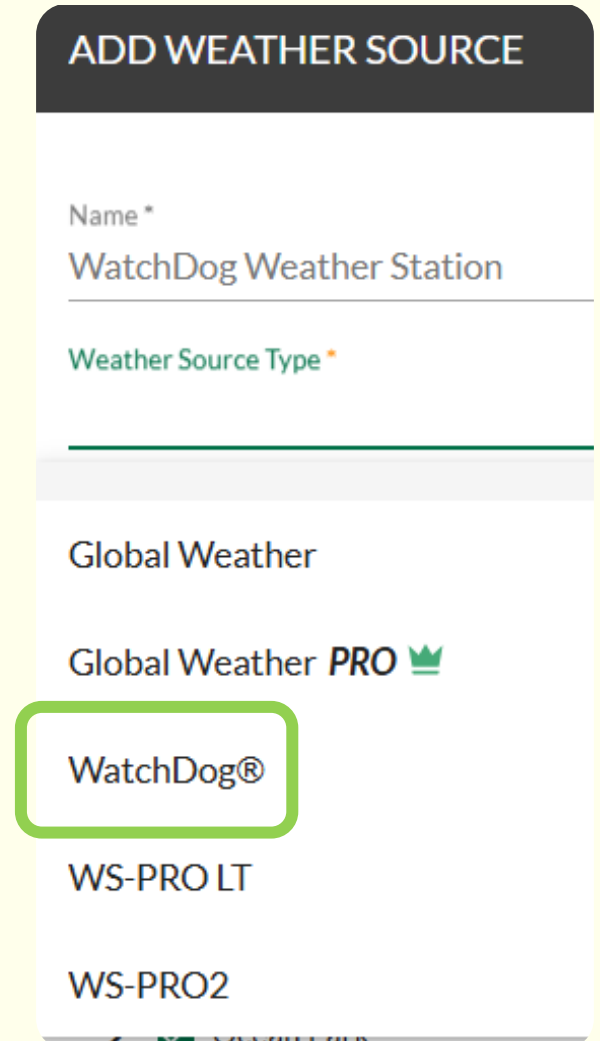
• Grounding requirements:

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




IQ4 Weather Source Setup

- **Steps to add a WatchDog weather station to IQ4:**
 - Open Weather under the System Setup menu
 - Click on the Add button 
 - Enter the weather station name
 - Select the weather source type – WatchDog
 - Enter the weather station elevation
 - Select the controller(s) that will use the WatchDog weather station data
 - Click the Save button
 - In the weather source list, click on the ET Calendar link to download the latest weather data



ADD WEATHER SOURCE

Name *
WatchDog Weather Station

Weather Source Type *
Global Weather
Global Weather PRO 
WatchDog®
WS-PRO LT
WS-PRO2
Ocean Park

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