

### S-REACH™ WIRELESS VALVE CONTROL NETWORK

Long Range Centralized Irrigation Control and Flow Monitoring & Management Solution - An Industry First!

Signature S-REACH is ideally suited to wirelessly control an unlimited number of battery operated valves on a single large site, like a college campus, or for an unlimited number of multiple sites including city maintained; schools, streetscapes, and parks.

Accessible via the powerful Signature Share app or web portal at anytime from anywhere in the world. S-REACH uses proprietary RF technology and the proven Signature intelligent irrigation engine, monitoring and notification system that has been saving significant labor and water worldwide for the past 10 years.



### KEY FEATURES & BENEFITS

#### Programmable and Flexible

- Six totally independent programs with 4 start times per program allow the user extreme flexibility. 1 to 6 station capability in one unit - Unit is shipped as a one station unit with the capability for the end-use to easily add up to five 5 additional stations through the Signature SHARE™ app.

#### Intelligent Programming

- Intelligent programming is designed to automate your water schedule by using Signatures proprietary algorithms along with weather data to accurately determine the right amount of water needed.

#### 3 Year Battery Life

- Powered by two replaceable “C” alkaline batteries which enable the controller to operate the irrigation schedule up to 3 years (user defined) without replacing the batteries.

#### Centralize All Of Your Signature Products On Share

- Operate all of your Signature Share controllers from your Signature SHARE account. Compatible with Signature SHARE App for convenient programming and control.

#### Weather-Based

- Utilizes the industry’s most advanced algorithm and software system to reduce water use by adjusting watering schedules automatically. Saves up to 40% or more water while keeping plants healthy and green (intelligent mode only) giving owners a fast return on investment. Employs real time ET data using nearby weather stations taking the previously unavailable benefits of “Intelligent” irrigation to battery powered valves.

#### Fully Waterproof and Submersible

- Water proof design tested to IP68 Standards. Allows the Signature device to be completely submerged and still operate as if it was in a dry condition. The battery compartment is dual-sealed to prevent water ingress when the unit is submerged.

#### Operates DC latching solenoids

- Compatible with Signature DC latching solenoid and most major brands of DC latching solenoids.

#### Long Range Remote Accessibility

- Access the battery-operated controller from a range of up to 2 miles (depending on site conditions).

#### Water Budget

- Global or By Program by Month.

#### Versatile App Connectivity

- Wirelessly connect via Apple; IOS devices (Version 9.0 devices or later) or Android devices (Version 4.4 or later).

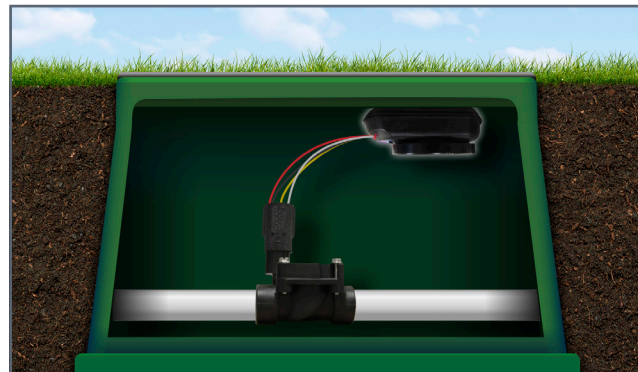
## SPECIFICATIONS

### Operational Features

- Shipped as a Single Station (Expandable Online via SHARE app to 6 stations in 1 station increments).
- Master Valve/Pump Start Relay Capable (5 station capacity if master valve is used).
- Rain/Freeze sensor connection.
- Range; up to 2 miles from a S-REACH Gateway. (depending on site conditions)
- Detect battery strength level and connection. status is provided.
- Non-volatile memory will save program in case of battery failure.
- Ideal for large enterprise systems where running traditional wire from the controller to the valve is difficult/expensive.
- Transforms your mobile device into a handheld remote to program or perform manual watering.
- 4 Watering Day options - Custom Day(s) of the week, Cyclic (1 to 99 days), Odd Days, Even Days.
- Rain Delay/Controller Off - User selectable - 0 to 14. days.
- Weather Sensor Input with bypass override by station.
- Maximum distance between controller and DC latching solenoid is 98 feet (30m) 15AWG wire.

## S-REACH WIRELESS MOUNTING

The S-REACH Actuator device easily mounts on the underside of the valve box, assuring that the antenna is in the ideal location to maximize range.



## DIMENSIONS

**Height:** 2.85 inches (7,2 cm)

**Width:** 4.5 inches (11,4 cm)

**Depth:** 5.5 inches (12,7 cm)

## Certifications

CE, IP68, RoHS

## Warranty

2 Years

## ORDERING INFORMATION

ORDER NUMBER	DESCRIPTION
RCH-1-6-FLOW-USA	Single Station, Upgradeable to 6 Stations + Switch Sensor + Flow Sensor, USA
RCH-1-6-FLOW-ISO	Single Station, Upgradeable to 6 Stations + Switch Sensor + Flow Sensor, International
RCH-STA-EXP-01	Online Single Station Expansion Kit (Up to 6 stations per S-Reach Actuator)

## S-REACH CITY-WIDE WIRELESS NETWORK

