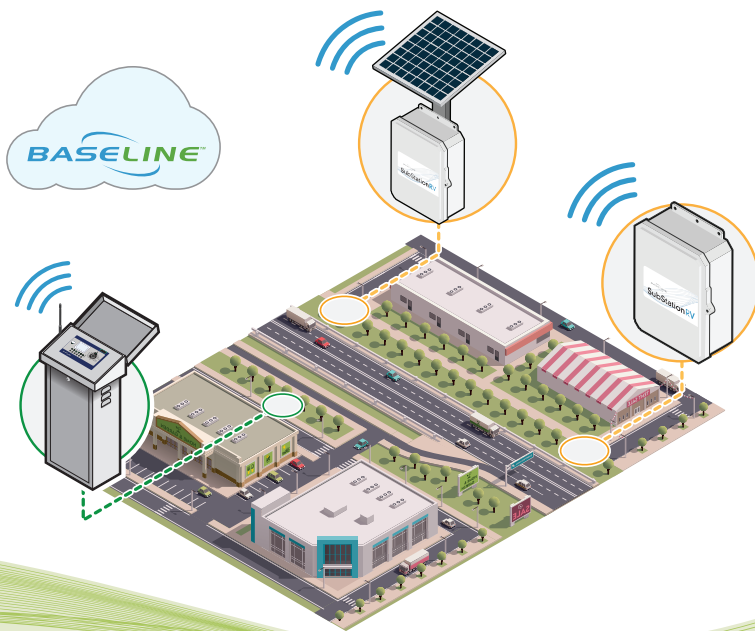




SubStationRV™

AC or Solar Powered Wireless Remote Valve Control

The SubStation RV gives you wireless access to every valve on your landscape, even in the most remote locations. Once connected to a BaseStation 3200, the SubStation RV brings the power of the 3200 to all parts of your site and allows access to hard-to-reach valves without excessive trenching.

"This will save me so much time. Kneeling down or bending over into valve boxes to switch out batteries or adjust times is such a pain."

– Irrigation Technician



Access valves even in the most remote areas



Eliminate time and dependency on battery-operated devices



Bring alerts, diagnostics, and advanced programming to remote valves on your site

**Bring all remote valves
into your Baseline system**



Learn More
<https://bit.ly/3SEJrvq>



SubStationRV

Key Features

Overview

- Supports up to 6 conventionally-wired zones (24 VAC)
- Supports 6 concurrent zone operations
- Zone(s) can be configured as a Master Valve in the BaseStation 3200
- Provides diagnostic LEDs for simple installation and troubleshooting
- Displays status of device and the connected status of the BaseStation 3200
- "Cloud-display" offers controller-like display accessible in BaseManager
- Supports up to 1,500 feet of wire-path
- High-speed LTE cellular communication
- NEMA 6P (IP68) waterproof lockable enclosure
- Supports firmware updates over the air

BaseStation 3200 Features

- The BaseStation 3200 supports up to 25 SubStation RVs. Each SubStation RV connection uses one of these addresses.
- Total zone counts, including the zones connected to all SubStation RVs must remain within the BaseStation 3200 specifications.
 - SubStation RV zones that exceed the BaseStation 3200 limits are ignored.
- All search and assign operations for SubStation RV zones are performed from the BaseStation 3200 or from BaseManager.
- All programming operations for SubStation RV zones are performed from the BaseStation 3200 or from BaseManager.
- All test operations for SubStation RV zones are performed from the BaseStation 3200 or from BaseManager.
- Displays status of the SubStation RV connection and reports the number of each zone from last search
- For SubStation RV compatibility, ensure that the BaseStation 3200 is running firmware version 18.0 or greater.

- Does not support other Baseline 2-wire products.

Communications Specifications

- The SubStation RV communicates with a BaseStation 3200™ irrigation controller over a 256-bit encrypted cellular network.
- The SubStation RV supports AT&T and Verizon service providers

Enclosure Options

SubStation RV enclosures are large enough to hold the processor board, the terminal board, power supply, and a communication module. The communication module will be built into the enclosure by the factory when ordered together.

- High impact polycarbonate low profile hinged enclosure with integrated locking latch, opaque cover and integrated mounting flange.
- The enclosure is 8 inches tall by 6 inches wide by 3 inches deep
- Includes enclosure mounting tabs
- Includes three openings in the bottom of the enclosure to accommodate field and power wires
- NEMA 6P (IP68) Waterproof

Subscription

- Requires annual Baseline subscription.

Cloud Networking

- The Substation RV connects wirelessly to the BaseStation 3200 using Baseline's ultrafast Cloud Networking.
- The first year of Cloud Networking service is included in the price of the SubStation RV and the service can be renewed annually.

Solar Power Option

The solar power solution for the SubStation RV comes complete with a fully-integrated solar charge circuit with diagnostic LEDs and high capacity lithium ion rechargeable batteries. This self-contained wireless valve technology allows you to put the SubStation RV anywhere you can capture ambient light for solar power.

Electrical Specifications

AC Power Specifications

Transformer Input

- Requires 120 VAC, 50 Hz to 60 Hz and a minimum of a 5 amp breaker
- Requires a certified electrician for hard-wire installation

Power Output

- Zero 24 VAC valves actuated = 1.0 milliamp
- One 24 VAC valve actuated = 35 milliamp
- Six 24 VAC valves actuated = 210 milliamp

Solenoid Specification

- Requires a typical solenoid with approximately 400 milliamps of inrush current and approximately 200 milliamps holding current

Surge

- 10 levels of surge protection
- Up to 5 levels of surge protection built into the controller boards
- Minimum surge response time of 1 picosecond

Environmental

- Freeze/heat resistant -4°F to 140°F (-20°C to 60°C)
- NEMA 6P (IP68) Waterproof

Solar Power Specifications

Electronic Protections

- Solar: Overload, short-circuit, high voltage, transient surges
- Load: None
- Battery: High Voltage

Battery Specifications - 50E 21700

Amp Hours	5000 mAH per battery
Nominal Voltage	3.6 V
Max Charge Voltage	4.20 V
Standard Charge Current	2.45 A
Optimal Discharge Temp	-20°C - 60°C
Optimal Charging Temp	0°C - 45°C
Over Current Range	6.0 A - 12.0 A

How to Specify:

Part#

Includes

BL-SUBSTN-RV-DP-VZ	Direct Power SubStation RV with Verizon cellular service provider
BL-SUBSTN-RV-DP-AT	Direct Power SubStation RV with AT&T cellular service provider
BL-SUBSTN-RV-SP-VZ	Solar Power SubStation RV with Verizon cellular service provider
BL-SUBSTN-RV-SP-AT	Solar Power SubStation RV with AT&T cellular service provider

Find out more at hydropoint.com/baseline