

# AQUATERR

## Valve Actuating Receiver Valve Box Cover Mount

The most cost effective wireless valve actuator with two mile uninterrupted reception

### Key Benefits:

- Wireless – No wires to bury.
- Landscape friendly – Invisible to the eye; the ultimate deterrent to vandalism.
- Operates when submersed in water and high humidity
- Installs to ground level.
- Up to two-mile signal reception with no licensing fees or cellular costs.
- Significant cost savings in multiple areas.
- Works with any commercial irrigation controller and electric valve.
- Runs on four alkaline “D” cell batteries that last for two years.
- Redundant transmissions assure communications.
- Up to 96 stations in one system; Use several 96-station system in one location.

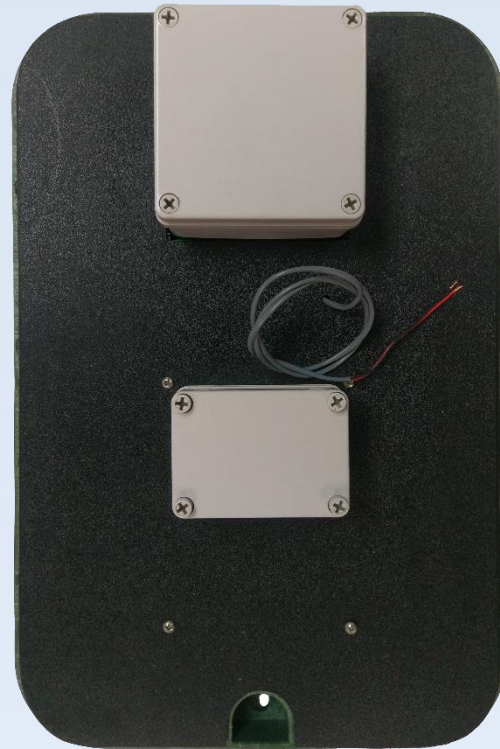
### Key Features:

Receives NLOS (Non-Line-of-Sight) radio signals from up to two miles away that blanket the reception area, regardless of physical obstacles, such as hill and valleys, buildings, and trees.

Installs level with the terrain in a standard jumbo valve box cover with operating components safely concealed in a watertight enclosure. Invisible to onlookers, looking like a normal valve box cover.

Provides significant savings and often shows a return on investment in one year or less based on costs recovered from operating costs, water savings and direct labor. When used in a retrofit application, it is always the lowest cost solution.

This product qualifies for water conservation rebates in most countries. Check with your local governing agency. It can be equipped with moisture sensors to control watering conditions at the valve.



**VAR/VB Valve Box Cover version**

### How it works.

Interfaces seamlessly between your existing commercial irrigation controller and you valve's latching solenoid. Receives encoded and redundant radio signals from an Aquaterr radio transmitter, which communicates instructions originating from your irrigation controller.

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Aquaterr's valve box cover mounted Valve Actuating Receivers are ideal for high traffic turf applications, especially where vandalism need to be discouraged and avoided. Whether your current system is manual or wired, if you are ready to implement an automated irrigation plan, Aquaterr's Wireless System may be your best option.

For Existing manual systems, wireless conversion is the least – cost route towards automation. Simply change to an electric valve with a latching solenoid. No digging to bury wires. Aquaterr's system operates with any commercial irrigation controller designed to control solenoids.

Existing buried wire systems often experience damage to wires from earth moving equipment, or ground creatures chewing wires. Sometimes it is just not economical to bury more wire, especially in turf applications where concrete or other obstacles are in the wire path.

The best automation choice, the one that offers the fastest return on investment for long wire runs, is AQUATERR Wireless. It offers the quickest installation, lowest lifetime maintenance, and in many cases, the lowest initial purchase/installation out of pocket cost. And Aquaterr's wireless solution has the security to assure your radio licensing fees, unlike most others, and no cellular costs. Most importantly, the radio signals are fool-proof, and cannot be tampered with. Each transmitted instruction is encoded, with redundancy and overwatering protection to assure successful irrigation.



*The Aquaterr Programmer portable device is used to program various unique parameters in both the VAT (transmitter) and VAR (receiver). See User Manual for full details.*

### Specifications

	<b>VAR-1/VB</b> Operates 1 Valve	<b>VAR-2/VB</b> Operate 2 Valves	<b>VAR-4/VB</b> Operate 4 Valves
Signal Receiving Range	2 miles	2 miles	2 miles
Operating Voltage	3VDC	3VDC	3VDC
Battery Type	4 Alkaline D Cell Batteries	4 Alkaline D Cell Batteries	4 Alkaline D Cell Batteries
Output Operation	9-12 v latching solenoid	9-12 v latching solenoid	9-12 v latching solenoid
Fail Safe Shutdown	Programmable	Programmable	Programmable
Manual Actuate	Switch/Programmer	Switch/Programmer	Switch/Programmer
Unit Identification	Fiel programmable	Fiel programmable	Fiel programmable
Enclosure	Submersible	Submersible	Submersible
Mounting Height	To ground level	To ground level	To ground level
Mounting Method	Under valve box cover	Under valve box cover	Under valve box cover
Size	15 x 21.5 x 12 inches, 38.1 x 54.6 x 30.5 cm	15 x 21.5 x 12 inches, 38.1 x 54.6 x 30.5 cm	15 x 21.5 x 12 inches, 38.1 x 54.6 x 30.5 cm
Weight	13.7 lbs (6.1 kg)	13.7 lbs (6.1 kg)	13.9 lbs (6.2 kg)
Shipping Size	16 x 24 x 14 inches, 40.6 x 61 x 35.6 cm	16 x 24 x 14 inches, 40.6 x 61 x 35.6 cm	16 x 24 x 14 inches, 40.6 x 61 x 35.6 cm
Shipping Weight *	15.7 lbs (7 kg)	15.7 lbs (7 kg)	15.9 lbs (7.1 kg)
Warranty	One Year	One Year	One Year

\* Valve box with VAR mounted cover

#### Aquaterr

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