

AQUATERR

Valve Actuating Transmitter

The only wireless Valve Actuating Transmitter with five mile uninterrupted transmission

Connects directly to your Commercial Irrigation Controller, and sends programmed radio signals, specially encoded to activate the Aquaterr Receiver to which they are wirelessly linked.

Consolidate Controllers. Most systems expand without a growth plan and become service nightmares. Considerable cost saving are realized by eliminating existing controllers while centralizing zone control and improving program and maintenance efficiency.

Expandable from 16 to 96 Stations providing unique radio address for each valve actuator. Expansion can be programmed using the Aquaterr digital system programmer.

Interfaces to all commercial Irrigation Controllers, AC or DC. Simply connect the wires that now go to the valve solenoids to the Aquaterr VAT. Once programmed, the VAT and VAR's communicate reliably via wireless signals over any terrain.

Operates with Aquaterr VAR Series Wireless Receivers. The VAT/VAR series valve actuating transmitter and receivers communicate up to 5 mile apart and offer a new level of ease of automation. In many cases, it allows costly jobs to be inexpensively accomplished. Operates with Aquaterr VAR Pole and valve box cover mounted receivers.



Valve Actuating Transmitter / Indoor



Valve Actuating Transmitter / Outdoor



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.

How it works.

Interfaces seamlessly between your existing commercial irrigation controller and your valves latching solenoid. Sends encoded and redundant radio signal to the Aquaterr radio receiver communicating information original from your irrigation controller.

- Consolidate existing Controllers to improve efficiency and reduce operating expenses.
- Reliably communicate up to five miles in any terrain, regardless of hills, buildings and trees.
- Controls up to 16 stations; expandable to 96.
- No wires to bury.
- Connects directly to any Commercial Controller.
- Big cost savings in installation and maintenance.
- Completely wireless with no radio licensing fees or cellular costs.
- Encoded and redundant transmissions assure communications are receivable timely and accurately.



Valve Actuating Transmitter

Specifications

	VAT-16 / INDOOR	VAT-32 / INDOOR	EU-16 / INDOOR	EU-32 / INDOOR
Operating Voltage	120/240 VAC @ 50/60 HZ	120/240 VAC @ 50/60 HZ	n/a	n/a
Transmitter Power	4 Watts/50 OHMS	4 Watts/50 OHMS	n/a	n/a
Stations	16 + Master Valve	32 + Master Valve	16 + Master Valve	32 + Master Valve
Actuating Voltage	3V to 30V AC/DC	3V to 30V AC/DC	3V to 30V AC/DC	3V to 30V AC/DC
Range	5 mile radius	5 mile radius	n/a	n/a
Enclosure	Aluminum	Aluminum	Aluminum	Aluminum
Size	6 ½ x 6 x 4 inches, 16.51 x 15.2 x 10.16 cm	6 ½ x 6 x 4 inches, 16.51 x 15.2 x 10.16 cm	6 ½ x 6 x 4 inches, 16.51 x 15.2 x 10.16 cm	6 ½ x 6 x 4 inches, 16.51 x 15.2 x 10.16 cm
Weight	1.40 pouds, 0.636 kg	1.50 pounds, 0.684 kg	1.01 pounds, 0.459 kg	1.01 pounds, 0.459 kg
Shipping Size	8 x 6 x 4.5 inches, 20.32 x 15.2 x 11.43 cm	8 x 6 x 4.5 inches, 20.32 x 15.2 x 11.43 cm	8 x 6 x 4.5 inches, 20.32 x 15.2 x 11.43 cm	8 x 6 x 4.5 inches, 20.32 x 15.2 x 11.43 cm
Shipping Weight	2.4 pounds, 1.089 kg	2.5 pounds, 1.135 kg	2.0 pounds, 0.908 kg	2.0 pounds, 0.908 kg
Warranty	One year	One year	One year	One year

Options: Expandable up to 96 stations; various antenna types and lengths available.

	VAT-8 / OUTDOOR	VAT-16 / OUTDOOR	VAT-32 / OUTDOOR	EU-16 / OUTDOOR	EU-32 / OUTDOOR
Operating Voltage	120/240 VAC @ 50/60 HZ	120/240 VAC @ 50/60 HZ	120/240 VAC @ 50/60 HZ	n/a	n/a
Transmitter Power	4 Watts/50 OHMS	4 Watts/50 OHMS	4 Watts/50 OHMS	n/a	n/a
Stations	8	16 + Master Valve	32 + Master Valve	16 + Master Valve	32 + Master Valve
Actuating Voltage	18V to 30V AC or 9V to 30V DC	3V to 30V AC/DC	3V to 30V AC/DC	3V to 30V AC/DC	3V to 30V AC/DC
Range	5 mile radius	5 mile radius	5 mile radius	n/a	n/a
Enclosure	Plastic / Fiberglass (outdoor)	NEMA 4X Weatherproof	NEMA 4X Weatherproof	NEMA 4X Weatherproof	NEMA 4X Weatherproof
Size	9 ½ x 7 ½ x 4.9 inches, 24.13 x 19.05 x 12.45 cm	9 ½ x 7 ½ x 4.9 inches, 24.13 x 19.05 x 12.45 cm	9 ½ x 7 ½ x 4.9 inches, 24.13 x 19.05 x 12.45 cm	9 ½ x 7 ½ x 4.9 inches, 24.13 x 19.05 x 12.45 cm	9 ½ x 7 ½ x 4.9 inches, 24.13 x 19.05 x 12.45 cm
Weight	6.6 pouds, 3.00 kg	6.6 pouds, 3.00 kg	6.8 pounds, 3.09 kg	4.6 pounds, 2.09 kg	4.8 pounds, 2.18 kg
Shipping Size	15 x 13 x 10 inches, 36 x 33.02 x 25.4 cm	15 x 13 x 10 inches, 36 x 33.02 x 25.4 cm	15 x 13 x 10 inches, 36 x 33.02 x 25.4 cm	15 x 13 x 10 inches, 36 x 33.02 x 25.4 cm	15 x 13 x 10 inches, 36 x 33.02 x 25.4 cm
Shipping Weight	7.6 pounds, 3.45 kg	7.6 pounds, 3.45 kg	7.8 pounds, 3.54 kg	5.6 pounds, 2.54 kg	5.8 pounds, 2.70 kg
Warranty	One year	One year	One year	One year	One year

Aquaterr

1685 Babcock Street, Suite A, Costa Mesa, CA 92627, USA

Telephone: 949.646.7274 Fax: 949.646.7493

Email: info@aquaterr.net

www.aquaterr.net