

# AquiWave | AquiWave

Wireless Leak Detection System



**DATA SHEET**



**aquilar**  
leak detection solutions



# AquiWave

## Wireless Leak Detection System

The AquiWave Wireless Leak Detection System is a complete solution for leak detection in buildings where a traditional wired system would be difficult to install. The AquiWave wireless is fully compatible with the AquiTron and TraceTek systems meaning leak detection can now be installed virtually anywhere.

### SIMPLE OPERATION

The AquiWave system consists of a AQP-RCP radio alarm panel communicating with other AquiWave devices such as AQP-RTX radio transmitters. Based on the same ultra-reliable technology used for radio fire alarm systems since 1987. The AquiWave wireless leak detection system has been designed to be capable of handling 240 wireless devices. Designed to be expandable, and configurable to each buildings needs. For larger systems up to seven AQP-RBP booster panels and AQP-IA wired antennas can be added, and up to four systems linked to create to a 60 panel system capable of handling 960 individually addressable wireless devices. Automatic setup and learn modes simplify configuration. With up to 5 years fully monitored battery life for devices keeping maintenance costs in control, the AquiWave system is designed for ultimate reliability and ease of use.

### APPLICATIONS

Typical installations would include small offices, private houses, guest houses and small hotels and any other location where traditional wired leak detection would be a problem to install. AquiWave features a completely free topology allowing the network to be established in any direction as long as a signal can be received. Boosters can be used to reach areas beyond the wireless range of the main control panel. A radio signal survey will indicate where boosters are necessary. Care should be taken when deciding on equipment position with regard to environment. While sensors must still be positioned where water will collect, radio transmitters must be kept dry and be accessible for battery replacement.

### FEATURES

- Up to 240 fully addressable devices on a single system • Up to 20 zones on a single system

- Simple programming Setup
- Easy to read backlit liquid crystal display
- 4 Access levels
- Easy install, no sensor wiring necessary
- Battery Backup as standard
- Expandable via wired or wireless repeaters
- USB keyboard input for easy device assignment
- Configurable relay outputs
- Wirelessly control accessories such as valves or sounders
- System can be backed up to removable internal memory or USB for easy transfer of information
- Constant System Health monitoring, including battery status

## ADDRESSING

When a network is complete, it can be scanned and all the devices are found automatically. Thus adding or removing detection devices is quick and easy. Each device can be given a unique address via the screen menu or plug in USB keyboard.

## TECHNICAL INFORMATION

<b>Panel Power supply</b>	230VAC 50Hz
<b>Battery back up</b>	1 x 12V 7Ah sealed lead acid providing 72 hour standby
<b>Enclosure</b>	H 220 x W 275 x D 85mm
<b>Outputs</b>	Configurable relay contacts, Either volt free or 12Vdc (500mA max load)
<b>Alarm Indicators</b>	Green power LED, twin flashing red leak alarm LEDs, amber fault LED's 4 line liquid crystal display with scrolling text for leak & fault location
<b>Events log storage</b>	255 events maximum
<b>Monitored Inputs</b>	2
<b>Maximum number of wireless devices</b>	240 (expandable by linking systems)
<b>Operating Frequency</b>	868MHz
<b>Modulation</b>	NBFM
<b>Operating Frequency</b>	Output Power (ERP)
<b>Operational Temperature</b>	0oC - 60oC
<b>Weight</b>	4Kg (not including battery)

## ORDERING INFORMATION

<b>Catalogue number</b>	6700 AQW-RCP AquiWave Radio Control Panel, Up to 7 booster panels, 240 devices, 230Vac
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## ANCILLARY PRODUCTS

6705 AQW-RBP-1	AquiWave Radio Booster Panel, Up to 240 devices, 230Vac
6710 AQW-RBP-2	AquiWave Radio Booster Panel with I/O, Up to 240 devices, 230Vac
6715 AQW-RTX	AquiWave Radio Transmitter, c/w battery
6720 AQW-RS	AquiWave Radio Sounder
6725 AQW-RB	AquiWave Radio LED Beacon
6730 AQW-RBS	AquiWave Radio LED Beacon/Sounder
6735 AQW-IO	AquiWave Interface Unit DC
6736 AQW-IO-INT-230Vac	AquiWave 230Vac, 5A interface switch, for use with AQW-IO
6740 AQW-IA	AquiWave Wired Intelligent Antenna, Up to 4 per AQW-RCP or AQW-RBP
6745 AQW-EA	AquiWave Dipole External Antenna
6750 AQW-FRD-SS	AquiWave Flush Mounted Remote Display, Wired, Stainless Steel
6755 AQW-SRD-SS	AquiWave Surface Mounted Remote Display, Wired, Stainless Steel
6760 AQW-SK	AquiWave Survey Kt
6770 AQW-BP	AquiWave Replacement Device Battery Pack
6775 AQW-SA	Replacement Stub Antenna
3700 AT-BAT AQW-RXX	Panel Battery (7Ah)

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