

AquiWave

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Wireless Leak Detection System



DATA SHEET



aquilar
leak detection solutions



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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 AYW-RCP radio alarm panel communicating with other AquiWave devices such as AYW-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 AYW-RBP booster panels and AYW-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

Panel Power supply	230Vac 50Hz (90 ~ 264Vac)
Battery back up	1 x 12V 7Ah sealed lead acid providing 72 hour standby
Enclosure	H 220 x W 275 x D 85mm
Outputs	Configurable relay contacts, Either volt free or 12Vdc (500mA max load)
Alarm Indicators	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
Events log storage	255 events maximum
Monitored Inputs	2
Maximum number of wireless devices	240 (expandable by linking systems)
Operating Frequency	868MHz
Modulation	NBFM
Operating Frequency	Output Power (ERP)
Operational Temperature	0°C - 60°C
Weight	4Kg (not including battery)

ORDERING INFORMATION

Catalogue number 6700 AQW-RCP AquiWave Radio Control Panel, Up to 7 booster panels, 240 devices, 230Vac

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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