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# Aquitron | AT-PIR-SOV

Water Shut-Off System



**DATA SHEET**



**aquilar**  
leak detection solutions



# AT-PIR-SOV

## Water Shut-Off System

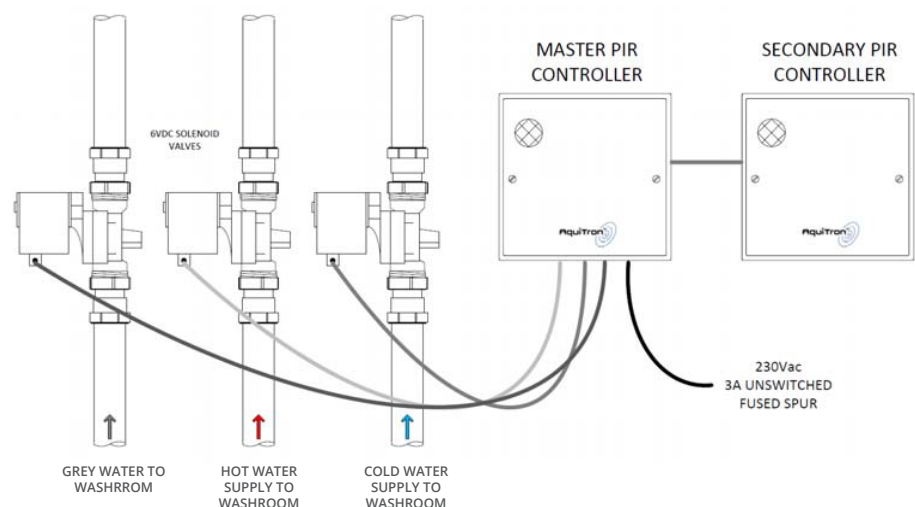
The AquiTron AT-PIR-SOV is a BREEAM Wat 03 compliant controller, PIR sensor and WRAS approved water solenoid valve system used to isolate the water supply to WC's, and other areas, when they are not in use, thereby limiting the risk of water wastage and damage from minor water leaks.

### SIMPLE OPERATION

The system comprises a main controller, ceiling mounted recessed or surface mounted PIR sensor and a range of brass and plastic solenoid valve 15mm to 42mm ( $\frac{1}{2}$ " to  $1\frac{1}{2}$ "). Up to 3 valves can be powered by the controller.

### APPLICATIONS

If no movement is detected within the user adjustable pre-selected time, the PIR sensor will activate the isolating solenoid valve. This time can be set between 6 seconds to 20 minutes. In addition, the controller has two volt free relays which can be used to activate a secondary mains power relay to isolate the lighting and mains supply into the same room. A secondary PIR sensor is available if the controller needs to be in a different location. Or if two rooms (male and female WC's) share the same water supply.



## TECHNICAL INFORMATION

<b>Power Requirements</b>	230Vac
<b>Valve Outputs</b>	6Vdc 1.2A Latching pulse
<b>Cable</b>	2 core copper 0.75mm <sup>2</sup> (for cable runs over 50m use 1mm <sup>2</sup> )
<b>Relay Ratings</b>	Max 3A @ 230Vac
<b>Exit Shut-Off Timer</b>	Min 6 seconds, Maximum 20 minutes
<b>PIR Positioning</b>	Wall or ceiling fixing. Within 9 metres of the entrance (2 to 3 metres is recommended)
<b>Backing Box Recess Depth</b>	Master PIR – 47mm. Secondary PIR – 30mm
<b>Secondary PIR Controller – Cable</b>	Screened 2 Core copper 0.2mm <sup>2</sup> min (Screen is required for ground connection).
<b>Secondary PIR Controller – Power Supply</b>	N/R - Fed from Master PIR Controller

## ORDERING INFORMATION

<b>Catalogue number</b>	5730 AT-PIR-WC-C PIR Controller
	5735 AT-PIR-WC-SC Secondary Controller (6 max per controller)

## ANCILLARY PRODUCTS

**PLASTIC VALVES** - WRAS Approved Valve - Certificate No. 1901033



5790 AT-PIR-V 15mm Valve, Plastic, 6Vdc

5795 AT-PIR-V 22mm Valve, Plastic, 6Vdc

5800 AT-PIR-V 28mm Valve, Plastic, 6Vdc

5805 AT-PIR-V 35mm Valve, Plastic, 6Vdc

**BRASS VALVES** - WRAS Approved Valve - Certificate No. 2007001



5740 AT-V-B-15 15mm Valve, Brass, 6Vdc

5745 AT-V-B-22 22mm Valve, Brass, 6Vdc

5750 AT-V-B-28 28mm Valve, Brass, 6Vdc

5755 AT-V-B-35 35mm Valve, Brass, 6Vdc

5760 AT-V-B-42 42mm Valve, Brass, 6Vdc

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