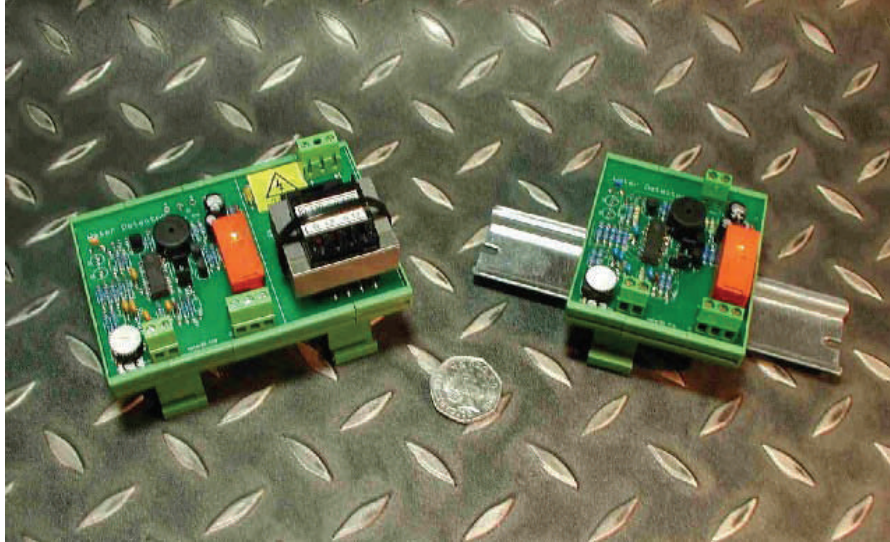




Water Detection Module



The Aquentis WD range of single zone Water Detection Modules have been specifically designed to provide a cost effective, no frills solution at a competitive price. Four variants are available ensuring that you don't have to pay for something that you're not going to use. Each module comes complete with DIN rail mounting frame and comprehensive installation instructions.

Primarily designed for small area water detection in locations such as Tea Points, Kitchens, Bunded areas and Drip Trays, or alternatively these units can be used with the Aquentis RS-1 Rain Sensor. Because of their compact size these modules can normally be easily incorporated into OEM equipment or outstation enclosures thus saving the cost of a dedicated enclosure. Modules can be sited close to the area to be monitored or mounted up to 200 Metres away in control equipment.

The Four Variants:

WD-24 Water detection Module 24 volt

WD-24-S Water detection Module 24 volt with Sounder

WD-230 Water detection Module 230 volt

WD-230-S Water detection Module 230 volt with Sounder



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Water Detection Probe



The water detection probe is small and compact at only 74mm H x 45mm W x 30mm D and can be fitted in locations where larger probes can't and this usually affords some protection.

The Probe is available in black or white and has a pleasing sloped design. The unit is designed to be fixed directly to the Skirting board or other Vertical surface by 2 #8 screws. Access for cabling is via a knock-out on the top of the unit. The units can be Daisy Chained to provide selective detection within risk areas such as Vending/Tea Points, Items of plant such as pumps and valves and within voids. An added advantage is that if a unit is damaged, they are so competitively priced that the unit can be replaced at minimal cost, so in effect they can almost be considered as disposable.



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Mini Plate Sensor



The mini plate sensor is small and compact at only 74mm H x 45mm W x 30mm D and can be fitted in locations where larger probes can't and this usually affords some protection.

The mini plate sensor is available in black only and has a pleasing sloped design. The unit is designed to be installed below air conditioning units and any other area where it can be laid horizontally. An added advantage is that if a unit is damaged, they are so competitively priced that the unit can be replaced at minimal cost, so in effect they can almost be considered as disposable.



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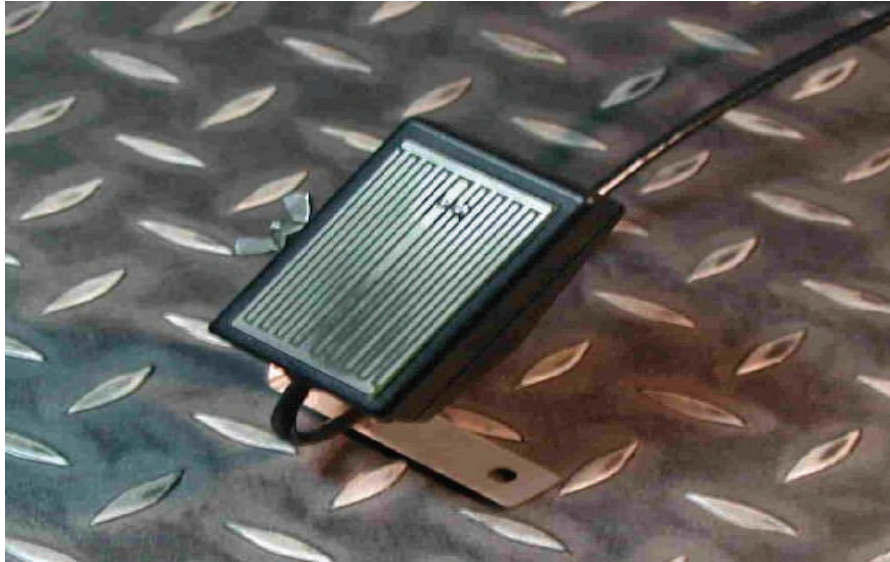
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Rain Detector



A totally weatherproof and self contained rain detection unit, which is used to signal when rain, hail or sleet is falling. Primarily used by the BMS industry to signal when skylights should be closed these units feature a heated detection comb to prevent the unit activating in frosty conditions or when dew is forming.

The unit has an adjustable stainless steel bracket to allow it to be fixed at a suitable location on the building. The unit requires a 24Volt supply for the heater and is designed for use with leak detection modules, Panels or digital inputs of BMS systems. These units should not be directly connected to a DC monitored source. To do so would destroy the sensing comb after only a few operations.



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Condensation Detector



A totally self contained condensation detector designed to warn of the onset of condensation on a Chilled Beam air-conditioning system and thus preventing indoor rain damaging equipment and furnishings. One detector is needed for each point where cold water enters a ceiling so a large building may have several hundred condensation detectors.

The detectors are not intended to be used to control the temperature of the beams (their recovery time is too slow for that) but to indicate that the beam temperature has been allowed to become too low i.e. they detect a fault which is signalled to the monitoring BMS (Building Management System). These sensors provide a valuable back-up and safeguard to the controlling Relative Humidity and Temperature sensors which are often fitted quite some distance from the beams themselves. The units operate on 24 Volts and their output is via a low current reed relay either factory set as normally open or normally closed. It is worth noting that these units are intended to provide a signal, not to operate any high load equipment.



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Water Leak Detection Cable



The Water Leak Detection Cable is designed specifically to detect water anywhere along its entire length, the cable is constructed with four individual signal cables (for use if required) and two stainless steel sensor wires all welded together to form a single cable. Whilst being a single mass, as you can see from the picture, the cable is very flexible and can be wiped clean to remove contaminants or water. The four signal cables form no part of the water detection circuit but if required can be used for applications such as monitoring cable continuity or sending the detection signal from the controller to both ends of the cable.

We can supply in lengths from 10 metres to cable drums of 450metres

Specification

Overall diameter	4.5mm
Each of the four Signal cables	16/0.2mm (0.5mm) 3amp 110vac to IEC 189-3
Sensor wires	Annelid 0.4mm diameter Stainless Steel
Sensor resistance	7 Ω per metre per sensor
Maximum continuous Length	10 to 450 metres



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