

Features

- Auxiliary alarm contacts
- Monitored alarm outputs
- Open and short circuit line monitoring
- Simple controls
- Zonal repeat contacts
- Easy to install
- Easy to service and maintain
- Bright dual LEDs
- Clean low profile appearance
- Diagnostic fault LEDs
- Lockable enclosure
- Special colours and finishes available

A hydrosense Water Detection System installed in vulnerable areas will continuously monitor the potential hazards, around the clock, year in year out. The system has the facility for 24 hour battery standby in the event of power failures.

The Hydrosense system has an attractive and unobtrusive control panel containing the alarm circuitry and power supply. The point detection Hydrosense probes or Hydrowire continuous cables are connected to the control panel via a simple two core leader cable making installation quick and inexpensive. Upon detection of a leak, the green alarm lamp on the control panel will flash accompanied by a warning buzzer. The alarm may be extended to a remote location by extension sounder/indicator units. Disconnection of Hydrosense probes or a break in the Hydrowire is immediately indicated on the control panel by the yellow line fault indicator. This ensures that the integrity of the system cannot be compromised without a warning.

Hydrosense Floor Mounting Probe K1605

This adjustable height probe is simply screwed into the floor and adjusted to give the required detection level. An LED indicator on the top of the probe gives a clear indication of which probe has been activated and this may be extended to a remote lamp location (e.g. above false floor level) using a remote indicator. The probe is connected to the control panel wiring via a flexible cable which plugs into the probe. This plug connection is monitored by the line fault circuit of the control panel.

Hydrosense Drip Tray Mounting Probe K1610

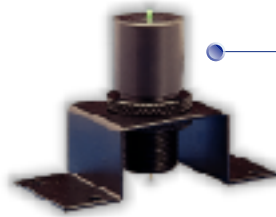
This probe has exactly the same facilities as the floor mounting probe but has a bracket for mounting onto the side of an air conditioning unit drip tray. The probe is then adjusted to give the required detection level and plugged into the detection circuit.

Product



Hydrosense Water Detection System

Air conditioning, sprinkler systems, water cooled processors and heating systems are all potential sources of water leakage which if undetected can seriously damage today's complex electrical, communication and computer networks; even a small leak can prove disastrous.



Hydrowire

Available as standard 5 and 10 metre lengths, Hydrowire is a flexible cable which will continuously monitor large areas. When even a small amount of water comes into contact with Hydrowire it is absorbed by capillary action thereby triggering an alarm. After the source of the leak has been removed, Hydrowire will dry out in around 20 minutes for use again.

Unplugging or cutting the Hydrowire will be immediately indicated on the control panel by the line fault indicator. Longer runs can be made by simply plugging lengths of Hydrowire together. Special lengths can be made to order. Each zone requires a junction box and an end of line plug.



Control Panels	
1, 2, 4 & 6 zone size	- 315W x 235H x 84mmD(ABS enclosure)
Weight	- 3.5Kgs. 1, 2, 4 & 6 zone(ABS enclosure)
Construction	- 1, 2, 4 & 6 zone flame retardant ABS injection
Power supply	- 1.25 Amp 1, 2, 4 & 6 zone(ABS enclosure)
Battery capacity	- 7.0A/h 1, 2, 4 & 6 zone(ABS enclosure)
24 hour standby	- 2.8A/h 1, 2, 4 & 6 zone(ABS enclosure)
Max. battery capacity	- 7.0A/h 1, 2, 4 & 6 zone(ABS enclosure)
Finish	- light texture
Standard colour	- stone grey
Construction	- 2, 4, 8 & 12 zone 1.2mm fully welded sheet steel
Finish	- epoxy powder coat
Standard colour	- 2 tone grey or cream & brown
Sounder outputs	- 2 outlets each fused at 500mA
Isolatable remote contact	- volt free changeover 1 Amp at 30V DC fused at 500mA
Auxiliary alarm contact	- volt free changeover 1 Amp at 30V DC
Zonal repeat contacts	- volt free normally open 1 Amp at 30V DC
Sounder fuses	- 500mA each
System fuse	- 2 Amp
2 & 4 zone size	- 365W x 290H x 88mmD(metal enclosure)
8 & 12 zone size	- 500W x 355H x 107mmD(metal enclosure)
16 & 24 zone size	- 570W x 420H x 110mmD(metal enclosure)
Construction	- 2, 4, 8, 12 & 24 zone 1.2mm fully welded sheet steel
Power supply	- 1.25 Amp (2, 4 & 8 zone)(metal enclosure) 2.5 Amp (12, 16 & 24 zone)(metal enclosure)
Max. battery capacity	- 4.0A/h (2 & 4 zone)(metal enclosure) 6.0A/h (8 zone)(metal enclosure) 7.0A/h (12 zone)(metal enclosure) 12.0A/h (16 & 24 zone)(metal enclosure)
Mains input	- 230Vac
Hydrosense Probes	
Size	- 95mm (max.) 80mm (min.)H x 45mmD x 100mmW
Indicator	- green LED
Connection	- via 1 metre flying lead
Material	- black nylon

Part No.	Description	Weight
K1601	Single zone control panel(ABS)	3.5 kg
K1602	2 zone control panel(metal)	5.0 kg
K1602/E	2 zone control panel(ABS)	3.5 kg
K1604	4 zone control panel(metal)	5.1 kg
K1604/E	4 zone control panel(ABS)	3.5 kg
K1606/E	6 zone control panel(ABS)	3.5 kg
K1608	8 zone control panel(metal)	8.4 kg
K1612	12 zone control panel(metal)	8.6 kg
K1605	Floor mounted probe	-
K1610	Drip tray probe	-
K1615	Remote indicator	-
K1620	5 metre Hydrowire	-
K1621	10 metre Hydrowire	-
K1622	Hydrowire junction box	-
K1623	End of line plug	-
K1625	Leader cable 50M	-
K1626	Leader cable fixing clips (100)	-
K1627	Hydrowire fixing clips (100)	-

Larger control panels are available on request

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Design Guidelines	
Hydrosense Probe:	
Maximum recommended coverage	- 20sq metres per detector
Maximum recommended detectors per zone	- 20
Maximum distance between probes for perimeter detection	- 3 metres
Sensor height above finished floor	- 1mm - 3mm
Leader cable	- 0.5mm round 3A
Hydrowire Cable:	
Maximum recommended length per zone	- 50 metres
Recommended pitch between cable for area protection	- 2 metres
Minimum bend radius	- 105mm