

## Hydrosense Water Detection System

### 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



Model No. K2004001



Model No. E2002000



Model No. K2101

### Product Overview

- 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 K2101**  
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 K2102**  
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.
- **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 connection box and an end of line DIN plug.

## Equipment

Product Code	Description	Weight
E2001000	Single zone control panel (ABS)	3.5 kg
K2002001	2 zone control panel (metal)	5.0 kg
E2002000	2 zone control panel (ABS)	3.5 kg
K2004001	4 zone control panel (metal)	5.1 kg
E2004000	4 zone control panel (ABS)	3.5 kg
E2006000	6 zone control panel (ABS)	3.5 kg
K2008003	8 zone control panel (metal)	8.4 kg
K2012003	12 zone control panel (metal)	8.6 kg
K2101	Floor mounted probe	-
K2102	Drip tray probe	-
K2103	Remote indicator	-
K2104	5 metre Hydrowire	-
K2105	10 metre Hydrowire	-
K2106	Hydrowire connection box	-
K2110	End of line plug	-
K2111	Leader cable 50M	-
K2112	Fixing clips (100)	-
S 9615/A	Protection Cage for Floor Mounted Probe	-
F/A/1W	Fire-Cryer® with water leakage alarm	-

Larger control panels are available on request

## Technical

### Specifications common to ABS & Metal Control Panels

<b>Sounder outputs</b>	- 2 outputs each rated at 500mA
<b>Isolatable remote contact</b>	- Volt free changeover 1 Amp at 30V DC fused at 500mA
<b>Auxiliary alarm contact</b>	- Volt free changeover 1 Amp at 30V DC
<b>Sounder fuses</b>	- 500mA each
<b>System fuse</b>	- 2 Amp
<b>Mains input</b>	- 230V AC

### ABS Enclosure, 1, 2, 4 & 6 Zones

<b>Size</b>	- 315W x 235H x 84D
<b>Construction</b>	- Flame retardant ABS injection
<b>Power supply</b>	- 1.25 Amp
<b>Battery capacity</b>	- 7.0A/h
<b>24 hour standby</b>	- 2.8A/h
<b>Max. battery capacity</b>	- 7.0A/h
<b>Finish</b>	- Light texture
<b>Standard colour</b>	- Stone grey

### Metal Enclosure - 2, 4, 8, 12, 16 & 24 Zones

<b>Construction</b>	- Zone 1.2mm fully welded sheet steel
<b>Finish</b>	- Epoxy powder coated
<b>Standard colour</b>	- 2 tone grey
<b>2 &amp; 4 zone size</b>	- 365W x 290H x 88mmD
<b>8 &amp; 12 zone size</b>	- 500W x 355H x 107mmD
<b>16 &amp; 24 zone size</b>	- 570W x 420H x 110mmD
<b>Construction</b>	- 1.2mm fully welded sheet steel
<b>Power supply</b>	- 1.25 Amp (2 & 4 zone) 2.5 Amp (8, 12, 16 & 24 zone)

<b>Zonal repeat contacts</b>	- Volt free normally open 1 Amp at 30V DC
<b>Max. battery capacity</b>	- 4.0A/h (2 & 4 zone) 6.0A/h (8 zone) 7.0A/h (12 zone) 12.0A/h (16 & 24 zone)

} 230V AC

### Hydrosense Probes

#### Technical

<b>Size</b>	- 95mm (max.) 80mm (min.)H x 45mmD x 100mmW
<b>Indicator</b>	- Green LED
<b>Connection</b>	- 4 pin din flying lead (1 metre)
<b>Material</b>	- Black nylon

# Specifications

## Guidelines

<b>Hydrosense Probe:</b>	
<b>Maximum recommended coverage</b>	- 20sq metres per detector
<b>Maximum recommended detectors per zone</b>	- 20
<b>Maximum distance between probes for perimeter detection</b>	- 3 metres
<b>Sensor height above finished floor</b>	- 1mm - 3mm - 0.5mm round 3A
<b>Leader cable</b>	
<b>Hydrowire Cable:</b>	- 50 metres
<b>Maximum recommended length per zone</b>	- 2 metres
<b>Recommended pitch between cable for area protection</b>	- 150mm
<b>Minimum bend radius</b>	

**Resikom Limited**

**3 Kent Road, Dagenham, Essex, RM10 8HA,  
United Kingdom**

**Tel: +44 (0) 845 686 6066**

**Fax: +44 (0) 845 686 6067**

**Email: [info@resikom.com](mailto:info@resikom.com)**

**Web: [www.resikom.com](http://www.resikom.com)**