

LEAK DETECTION ALARM.

The KA1 control panel has a leak-detected LED, a mains healthy LED, and a sensor fault/healthy red/green LED.

In the event of a leak, the alarm LED will flash red, the buzzer will sound, the valve will operate (if connected) & the relays will energize. Pressing the mute button will silence the buzzer. The Leak LED will remain illuminated until the sensor has been dried.

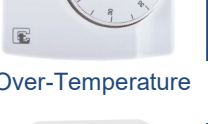
In the event of a sensor fault, the sensor fault LED will change green to red and the internal buzzer will sound fault relay energize. The mute button can be pressed to silence the buzzer. The fault LED will remain red until the sensor fault has been rectified.



Model Number KA1

Technical Specifications	Model KA1	Compatible Sensors
Dimensions	H163mm x W201mm x D99mm	 Cable Sensor
Weight	470g	
Material and IP rating	ABS, UL94-HB ingress IP54	
Operating Temperature	Resistant up to 55°C down to -25°C	
Input Main Voltage	110-240 VAC @50Hz	 Probe Sensor
Zone 1 Relay Contact Output x2	230V change-over volt-free Max 2A	
		 Mini Probe
Battery Backup	1 x 12V 01.2Ah sealed lead acid	
Repeater Output	5 V DC @ 50mA MAX	 Mini Pad Sensor
Common Fault Relay Output x1	50V change-over volt-free Max 1A	
Sensor Outputs	5V DC 2 mA SELV	 Overflow Sensor
Sounder Output	3400Hz 95 dB @ 10cm	
Mains fail relay x1	230V change-over volt-free Max 2A	 Over-Temperature
Mains Fuse PCB Mounted	2A quick blow 20mm glass	
Battery Fuse PCB Mounted	1A quick blow 20mm glass	

KEY FEATURES

Technical Specifications	Single Zone KA1	Compatible Sensors
LED Test Button.	Tests full operation of all LED's.	 Repeater Alarm
Mute Button.	1 Silences the internal sounder. 2. Acts as a system alarm acknowledgement	 Oil Sensor Probe
Mains Healthy LED.	Indicates when the system has a healthy power supply connected.	 Over-Temperature
Leak Detected LED.	Will flash red when the connected sensors detect an incident.	 Humidity Sensor
Sensor Fault LED.	Will indicate green when healthy and red when a fault has occurred.	 Metal Water Probe
Alarm Reset Link.	Sets alarm to latch on or Auto reset.	
Sensitivity adjustment per zone.	Single turn potentiometer left decrease right increase.	
System software version	Knight Alarms V2.1 4Mhz watchdog enabled.	
Battery Backup	Connected to maintain system functionality in the event of power loss. Float charged.	
Power Supply.	110—230V AC switch mode 12V DC	
Terminal ratings.	5mm 230V AC MAX 8amps	
Beacon Output	configured to output 5V DC when in alarm or fault condition.	
MAX Sensor Cable Length	100M of Sensor cable and 100M Connection cable.	
Optimised Self Learning	Minimises spurious alarms	

