

400 ZONE LEAK DETECTION ALARM.

The Leak Detection Panel (LDP) continuously monitors for a sensor healthy, a sensor fault and communication status with all outstations.

In the event of a leak, the LCD will locate & report the area in alarm. The alarm LED will turn red, the buzzer will sound, & the relevant 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 LCD will locate & report the area at fault. The sensor fault LED will turn yellow, buzzer will sound and the fault relay will energize.

The mute button can be pressed to silence the buzzer. This also tells the LDP that the alarm/fault condition has been acknowledged.

The fault LED will remain red until the sensor fault has been repaired.

The panel will self-reset in both instances unless the LDP has been set to latch.



Model Number KLM

Technical Specifications	Model KLM	Compatible Sensors
Dimensions	H240mm x W191mm x D107mm	
Weight.	589g	Cable Sensor
Material and IP rating.	ABS, UL94-HB ingress IP54	
Operating temperature.	Resistant up to 55°C down to -25°C	Probe Sensor
Common alarm relay x2.	230V change-over volt-free Max 2A	
Input mains Voltage.	110-240 VAC @50Hz	Mini Probe
Mains fuse PCB mounted.	2A quick blow 20mm glass	
Batteryfuse PCB mounted.	1A quick blow 20mm glass	Mini Pad Sensor
Battery backup.	1 x 12V 01.2Ah sealed lead acid	
Battery fuse PCB mounted.	1A quick blow 20mm glass	4 Zone Outstation
Common fault relay output x2.	230V change-over volt-free Max 2A	
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	
Mains fuse PCB mounted.	2A quick blow 20mm glass	
Zone 1 relay contact output x2 per Outstation.	230V change-over volt-free Max 2A	
Zone 2 relay contact output x2 per Outstation.	230V change-over volt-free Max 2A	
Zone 3 relay contact output x2 per Outstation.	230V change-over volt-free Max 2A	
Zone 4 relay contact output x2 per Outstation.	230V change-over volt-free Max 2A	
New alarm relay x 2.	230V change-over volt-free Max 2A	
MAX number of Outstation.	100 as standard (possible capability for 400)	
MAX number of zones	100 as standard (possible capability for 1600)	

Leak Monitor KLM

Technical Specifications	KLM Leak Monitor	Compatible Sensors
Data logs.	256 time/date stamped entries that roll over	 Repeater Alarm
Mute button.	1 Silences the internal sounder.	 Oil Sensor Probe
Mains healthy LED.	Indicates when the system has a healthy power supply connected.	 Over-Temperature
Leak detected LED.	Will light red when the sensors detect an occurrence.	 Over-Temperature
Sensor Fault LED.	Will indicate yellow when a fault has occurred.	 Humidity Sensor
Alarm reset or manual reset.	Sets alarm to latch on or Auto reset in the system menu.	 Metal Water Probe
Sensitivity adjustment per zone.	Set the sensitivity per zone in the ysem menu.	 Braided Sensor Tape
System software version	Knight Alarms V2.1 20Mhz 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 3amp	
Terminal ratings.	5mm 230V AC MAX 8amps	
LCD.	Backlit blue 20 character 4 lines	
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	

