LEAK DETECTION

Floodline® Multi-Zone Control Panel

A multifunctional and customisable water, oil and gas leak detection system.



Overview

Available in 4, 8 and 16-zone configurations, the Floodline® Multi-Zone Control Panel provides continuous monitoring across multiple leak detection zones.

With updated technology and enhanced installer and end-user functionality, the Multi-Zone panel is a flexible, multi-functional solution for water, oil and gas leak detection.

Each zone can range from a single point sensor to a network of liquid, oil and gas sensors, with support for distance-measuring leak detection of up to 1,500 metres using Floodline Ranger® cable. Temperature and humidity sensors can also be configured with up to four alarm thresholds per zone.

All zones are continuously monitored for leaks and system integrity. Electrically isolated zones are individually displayed, allowing simultaneous or consecutive alarms to be detected and reported without affecting other zones – ensuring uninterrupted monitoring across the system.

A leak alarm is indicated by a flashing LED and audible alert with mute function. Alarms are displayed separately and remain active until resolved and reset.

Output relays connect to BMS and remote alarms and can drive other devices such as beacons and valves to isolate water, gas and oil supply in the event of a leak alarm.

Benefits at a glance

- 4-zone, 8-zone and 16-zone options
- Monitors the full range of Floodline® leak detection sensors including liquid leak detection distance measuring up to 1,500 metres via Andel's Floodline Ranger® system
- Monitors temperature and humidity sensors
- In the event of an alarm, all other zones remain unaffected, providing continuous full leak detection monitoring and reporting
- LEDs provide clear system status and alarm information
- Audible alarm with mute function
- Output relays connect to BMS and remote alarms

Warranty: 10-year warranty on all Floodline® leak detection equipment. Terms apply.

Configurations

Multi 4 Zone Control Panel Item 600001	**Multi 4 Zone Control Panel + Ind OP Relays** Item 600002	**Multi 8 Zone Control Panel** Item 600003	**Multi 8 Zone Control Panel + Ind OP Relays** Item 600004
Multi 16 Zone Control Panel Item 600005	**Multi 16 Zone Control Panel + Ind OP Relays** Item 600006	**Multi 32 Zone Control Panel** Item 600007	**Multi 32 Zone Control Panel + Ind OP Relays** Item 600008

TECHNICAL INFORMATION

ZONE CAPACITY

4-zone, 8-zone and 16-zone options

POWER

110/230 VAC, 50/60Hz mains operated, 25W; 12VDC internal and battery backup

CONSTRUCTION

Powder-coated, fine-textured steel enclosure, colour RAL 7043

DIMENSIONS

H 292mm × W 285mm × D 90mm

FIXING

Wall or surface mounted.

MONITORING

LEAK: continuous water, gas and oil leak detection with each zone reporting separately.

SYSTEM FAULT: sensor or leader cable damage, failure or disconnection.

ALARM INDICATORS

Flashing LEDs and audible alarm for LEAK or SYSTEM FAULT – all alarms displayed separately and continuously until corrected.

STATUS INDICATORS

Mains power supply, battery operation, internal 12VDC supply, low battery, alarm accept (mute).

CONTROLS

Mute (buzzer silence/alarm accept) button, security key-switch output disable/reset.

OUTPUTS

1. LEAK in any zone – DPCO relay (5A @ 230VAC)
2. SYSTEM FAULT in any zone – SPCO relay (5A @ 230VAC)
3. Complete power fail – SPCO relay (5A @ 230VAC)
4. LEAK in individual zones – SPCO relay (1A @ 30VDC)

All relays have clean volt-free contacts.