LEAK DETECTION

Floodline® HLD Control Panel

Next generation, hybrid, multi-detector monitoring system



Award-winning Floodline® HLD – taking leak detection to a whole new level

The Floodline® HLD control panel is a state-of-the-art hybrid system, able to accept input alarms and provide detailed data for water, gas and oil leaks plus temperature and humidity, simultaneously.

Floodline® HLD can monitor from 4 to 128 traditional zones using resistance-based sensors and from 8 to 224 zones using Modbus-enabled sensors – a total zone capacity of 352 zones.

A zone can be anything from a single point to multiple sensors for all types of leak detection and environmental monitoring as well as distance measuring for up to 1,500 metres.

Benefits at a glance

- Simultaneous monitoring of water, oil, gas, temperature and humidity sensors
- Supports 4 to 128 resistance-based zones and 8 to 224 Modbus-enabled zones
- 4/8/16-zone panels include 8/16/32 individual zone output relays
- 32 zone panel and above minimum 32 individual zone output relays are available with optional remote relay panel/s
- Events Data Logging – the last 5,000 alarm/system events with date and time
- Traditional Zone Data Logging – logs the resistance of each zone input every 10 minutes on a 7-day FIFO basis, displayed on the screen
- Automatically activates solenoid or motorised valves to isolate water, oil or gas in any zone or group of zones
- Adjustable zone sensitivity via touchscreen to suit environmental and working conditions for that zone, significantly reducing false alarms
- Electrically isolated zones ensure unaffected zones continue to provide full leak detection monitoring during alarms or maintenance
- Full hybrid, simultaneous monitoring of traditional zonal and distance measuring leak detection systems
- Accepts volt-free contact inputs for third-party sensors and remote site monitoring
- Large 8-inch (203mm) LED touchscreen
- Embedded map of monitored areas pinpoints location and nature of any alarm activation
- Integrates with BMS via Modbus or volt-free contacts, supports Ethernet, email and SMS
- CE/UKCA certified
- 10-year warranty

Medium to large installations

Floodline® HLD is engineered for medium to large sites, operating an entire network of leak detection cables and sensors from a single, wall-mounted control panel. It combines advanced technology with enhanced functionality for both installers and end users.

A multifunctional and customisable leak detection control panel

The large 8-inch (203mm) LED touchscreen provides a complete system overview, including embedded building maps that pinpoint the exact location and type of any alarm activation.

Because each zone is electrically isolated, alarms or maintenance in any zone do not affect the others, ensuring continuous, uninterrupted protection.

The system supports up to six languages – English, French, German, Italian, Polish and Dutch.

Floodline® HLD can also be configured to accept a volt-free contact input for easy integration with third-party sensors and it can optionally monitor remote site activities such as oil storage data.

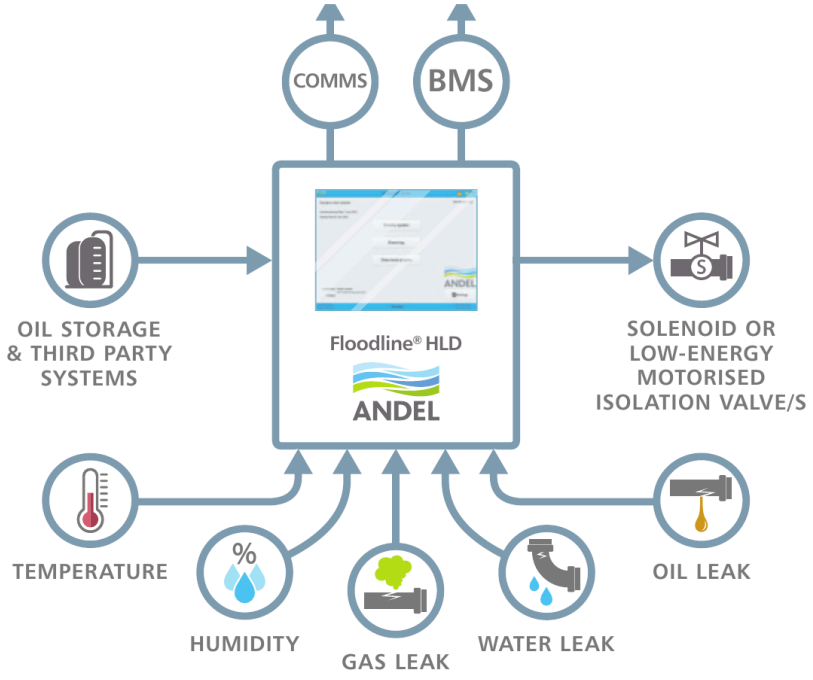
8-inch (203mm) LED touchscreen provides full overview of the system

All sensors can be given individual descriptions, for example: 'Zone 4 – Refrigerant Gas Sensor – Boardroom Level 2', so that if an event occurs, the system will state what and where the problem is. Additionally, touching the event log on the touchscreen can show an embedded zone locator map, indicating the precise zone location of a leak.

Zone sensitivity

Sensitivity settings for each zone can be fine-tuned via the touchscreen to suit the environment and operating conditions, greatly reducing the risk of false alarms.

The integrated temperature and humidity sensor can be configured with up to four independent alarm thresholds.



Floodline® HLD — hybrid leak detection and environmental monitoring

Warranty: 10-year warranty on all Floodline® leak detection equipment, at no extra cost.

Configurations

HLD 4 Control Panel Item 600428	**HLD 8 Control Panel** Item 600429	**HLD 12 Control Panel** Item 600430	**HLD 16 Control Panel** Item 600431
HLD 32 Control Panel Item 600432	**HLD 64 Control Panel** Item 600433	**HLD 96 Control Panel** Item 600434	**HLD 128 Control Panel** Item 600435
HLD Base Panel Assembly Item 600436			

TECHNICAL INFORMATION

ZONE CAPACITY

From 4 to 128 traditional zones using resistance-based sensors

From 8 to 224 zones using Modbus-enabled sensors

352 total zone capacity

ZONE SENSITIVITY

Each traditional zone input sensitivity can be configured individually. The temperature and humidity sensor can be configured for four separate alarm levels.

COMMUNICATIONS

Modbus over RS485 and TCP/IP

Alarm alerts via email

Alarm alerts via mobile network

Ethernet connection

RELAY OUTPUTS

Complete Power Failure (SPCO 240VAC 5 Amp)

Mains Failure (SPCO 240VAC 5 Amp)

System Failure (SPCO 240VAC 5 Amp)

Zone Fault (open/short circuit) (SPCO 240VAC 5 Amp)

Leak Detected (SPCO 240VAC 5 Amp)

For 4/8/16 zone panels, 8/16/32 individual zone output relays provided (DPDT 24VDC 1 Amp)

For 32 zone panel and above minimum 32 individual zone output relays are available with optional remote relay panel/s (SPCO 24VDC 1 Amp)

DATA LOGGING

Events Data Logging – last 5,000 alarm/system events with date and time

Traditional Zone Data Logging – the panel also logs the resistance of each zone input every 10 minutes on a 7-day FIFO basis, shown graphically on the screen

SD CARD

Integrated SD card for exporting zone input values and system logs, saving and loading panel configuration and saving zone drawing images for embedded map implementation.

POWER

85–264 VAC, 50/60Hz, 100W max

OPERATING TEMPERATURE

0°C to 70°C

REMOTE ALARM OUTPUT

Dedicated 12V remote alarm output for connection to auxiliary beacon / sounder

AUDIBLE OUTPUT

85dB at 3m

CONSTRUCTION

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

IP RATING

IP40

DIMENSIONS

H 400mm × W 335mm × D 115mm

CERTIFICATION

CE/UKCA certified and marked

FIXING

Surface mounted