



# ANDEL Leak detection system

## Worldwide hybrid liquid leak detection system that truly protect your assets.



The only leak detection  
solution on the market with  
**unlimited warranty option.**

We detect leaks of  
**Fuels** / **Water** / **Glycol** / **Acids**



## FL24/X series

### Hybrid Leak Detection. Fusion of zone and line system

FL24/X is a modern, fully individualized series of control panels with innovative features. It is primarily characterized by ease of use, updated algorithms and an original design.

The system is intuitive – it's parameters can be uploaded via USB. Unlike other series, it is possible to individually set the sensitivity threshold for each zone separately, current view of the measurements, any configuration of relay outputs, adding and removing users, restoring factory settings and many others.

#### Function

Detection of water, liquids and any environmental factors. The system can be configured to connect any type of sensors, such as digital, temperature, humidity, gas, wireless sensors and longline cables.

#### Line detection system (longline specification)

Except standard zone system, FL24/X can detect leakage on a particular meter. For each of the four slots, there can be plugged line system input board with four lines in it (with four boards, total amount of lines is 16). Maximum length of each separate line is up to 1500 meters.

#### Zone & line capacity

Zones: 6, 12, 18, 24 / (each board has 6 zones)  
Lines: 4, 8, 12, 16 / (each board has 4 lines)  
Various configurations possible (for ex. 2 line boards & 2 zone boards).

#### Construction

Blue-white ABS housing with digital print.

#### Power

230VAC, 50Hz mains operated, 12VDC internal and battery backup.

#### Dimensions

H232 x W322 x D121 [mm].

#### Fixing

Wall or surface mounted through four dedicated holes on the built-in distances.

#### Monitoring of zones & lines

LEAK – continuous water and liquid detection – each zone reports separately.  
SYSTEM FAULT – sensor or leader cable damage, failure or disconnection.

#### Communication

- Control panel is equipped with four configurable main relays and six configurable individual relays (NO / NC) on each input card. They can be programmed in any way depending on demand.
- Modbus TCP/IP, Modbus RTU and GSM extension

# Leak One V

Leak One V is a self-contained single zone leak detection module specially designed for incorporation into other control / alarm systems, air conditioning units, BMS etc. The module can be used with all type of sensors.

Leak One V is dedicated to be used within small leak detection systems. It is provided with two volt-free outputs, which can signal independently both leak and system fault (damage of sensor, device plate or lack of power).

## Module is provided with:

- control of leak sensitivity,
- switching between manual and automatic operating mode,
- history of five recent actions,
- test of output relays,
- possible connection of remote device Reset.

The compact module is din-rail mounted and screw terminals provide connections for the leak sensors, power input and volt-free contact output.

## Function

Water / liquid detection

## Zone capacity

Few sensors in one zone

## Power

Multi-Voltage 12 or 24 V, AC or DC, 0,5 W

## Construction

PC/ABS

## Dimensions

Length 90,20 mm x width 36,30 mm x depth 57,50 mm

## Fixing

Din-rail mounted

## Monitoring

LEAK - continuous water / liquid

SYSTEM FAULT - sensor or leader cable damage, failure or disconnection

## Numeric display:

- operating mode:  
AUTO or MANUAL,
- information about leak  
flashing text: LEAK,
- information about system fault  
flashing text: FAULT

## Alarm indicators

Flashing LEDs for LEAK or SYSTEM FAULT. All alarms displayed separately and continuously until corrected and reset.

## Outputs:

- LEAK – signaling leak detection,  
SPCO 2A relay, 30VDC or 250VAC,
- FAULT – signaling system fault,  
SPCO 2A relay, 30VDC or 250VAC.



# Floodline HLD 128/224

FLOODLINE HLD builds on the success of the award-winning FLOODLINE System and comes packed with updated technology and enhanced installer and end-user functionality. FLOODLINE HLD is a truly multi-functional and customisable water, oil and multi-gas leak detection panel.

FLOODLINE HLD reports status on up to 128 traditional FLOODLINE zones and in addition reports status and sensor values from the FLOODLINE Distance Measurement Ranger modules, temperature and humidity modules via a MODBUS communications network of up to 224 devices, giving a total zone capacity of 352 zones. All alarm information and control is via a large 8" touch screen display.

## Function

Water/liquid, oil and multi-gas leak detection, temperature and humidity monitoring panel. The system can also be configured to accept a volt-free contact input for connection to third-party sensors.

## Zone capacity

352 total zone capacity:

- 4 to 128 traditional zones in 32-zone modules
- Up to 224 MODBUS enabled zones

## Zone Sensitivity

Each traditional zone input sensitivity can be configured individually. The temperature and humidity sensor can be configured for four separate alarm levels. (High and low temperature and Humidity thresholds).

## Communications

- MODBUS over RS485 and TCP/IP
- Alarm alerts via email
- Alarm alerts via GSM Text message
- Ethernet connection
- Relay Outputs



## Data Logging

There are two types of data logged by the system:

- Events Log – last 500 alarm/system events with date and time
- Traditional zone data logging – each zone's input levels are recorded every 5 minutes over 7 days on a FIFO basis.

**Power** 85 – 264 VAC – 50/60HZ – 100W MAX.

## Construction

Powder coated steel enclosure, colour RAL 704, Fine Textured.

## Dimensions

Width 335mm | Height 400mm | Depth 115mm

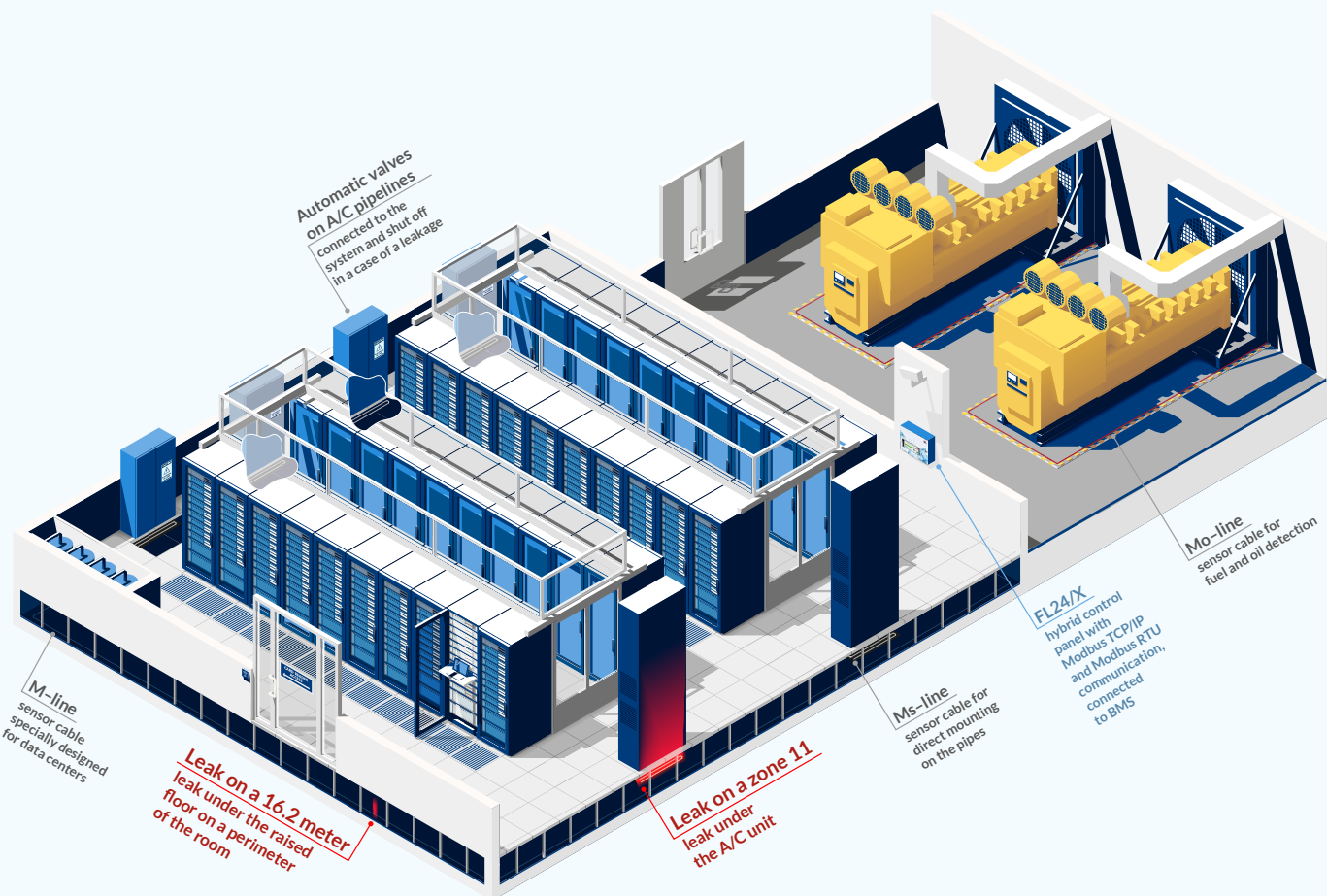




ANDEL is a unique hybrid system that combines:

- Distance measurement system [*leak on a meter*]
- Zone system [*leak on a zone*]

in **ONE** control panel.



**We manufacture.  
We design.  
We prevent.  
We protect.  
Globally.  
For over 30 years.**

Contact us

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