LEAK DETECTION

Floodline Ranger® HLD

Hybrid leak detection panel with multiple distance measuring and zonal options.



State-of-the-art, hybrid leak detection and environmental monitoring

Floodline Ranger® HLD is designed for medium-size installations of up to 24 zones or 16 distance-measuring cables — or a combination of both. The panel is a true hybrid, able to accept input alarms from all Floodline® sensors as well as third-party sensors.

Ranger® HLD allows the sensitivity of each zone to be adjusted to suit the environment and working conditions for that zone, significantly reducing the risk of false alarms.

Monitoring configuration

Floodline Ranger® HLD has 4 input slots. Each input slot accepts a zone card with 6 zonal inputs OR a distance-measuring card with 4 inputs.

With Andel's Floodline® system, a zone can also be a distance-measuring cable. Floodline® distance-measuring cables can pinpoint a leak to within one metre, and output relays can be assigned to certain lengths of cable. For example: in a 200m run around an office, a relay can be assigned to a valve to shut off the water supply at a tea point between 50m and 55m if a leak is detected.

Easy-to-use control panel

The menu is accessed by a simple push-button pad with an additional reset button. The control panel has an integrated display screen where all status and alarm information is clearly displayed, with additional LEDs for ALARM and POWER that flash independently until the problem is rectified and the system reset.

Benefits at a glance

- Easy-to-use, push-button control panel with integrated LCD screen
- Full hybrid simultaneous monitoring of zonal and distance-measuring leak detection sensors
- Monitors the full range of Floodline® water, oil, gas, temperature and humidity sensors, as well as third-party sensors
- Can be configured for 6, 12, 18 or 24 zones, or 4, 8, 12 or 16 distance-measuring cables (or a combination)
- A Floodline® zone can also be a distance-measuring cable
- Adjustable zone sensitivity
- 10-year warranty

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



Floodline Ranger® HLD hybrid control panel with integrated LCD screen and push-button pad.

Configurations

Ranger HLD Base Panel
Item 600587

Ranger HLD Base Panel (UAP)
Item 600617

TECHNICAL INFORMATION

Power: 230 VAC, 50Hz mains operated; 12VDC internal and battery backup

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

Dimensions: H 350mm × W 335mm × D 115mm

Fixing: Wall or surface mounted

Capacity: Zone: 6, 12, 18 or 24 — OR distance measuring: 4, 8, 12 or 16

Configuration: 4 configurable main relays and 6 configurable individual relays (NO/NC) on each input card

Monitoring: Continuous water, oil and gas leak detection plus temperature and humidity monitoring, with each zone reporting separately

System fault: Sensor or cable damage, failure or disconnection

Zone sensitivity: Each zone input sensitivity configurable individually

Indicators: All information displayed on screen, with additional LEDs for alarm and power

Communication: Modbus TCP/IP, Modbus RTU and GSM extension