LEAK DETECTION

Floodline Ranger® Control Panel

Distance measuring liquid leak detection system.



Distance-measuring liquid leak detection for up to 1,500 metres

Floodline Ranger® Control Panel provides continuous, distance-measuring liquid leak detection for up to 1,500 metres when used with Floodline Ranger® detection cable. It can operate as a stand-alone system or be seamlessly integrated into a wider Floodline® installation, functioning as an independent zone that connects effortlessly to any Floodline® control panel.

Ideal for data centres, plant rooms, warehouses, libraries, museums and other large or extended areas, it offers a flexible solution for customers requiring distance-measuring leak detection that can also operate within a network of multiple zones and integrate with a range of other sensors across installations of any size.

In the event of a leak, the control panel activates an audio-visual alarm and can automatically communicate alerts to a BMS or similar system. Illuminated LEDs clearly display power, leak status, system alerts and communications, and the leak detection LED display pinpoints the position of the leak for rapid identification and response.

Floodline Ranger® sensor cable

Floodline Ranger® sensor cable is available as standard or high-sensitivity and detects the presence of liquid at any point along its length. It is available in a range of pre-terminated lengths with locking connectors to join the lengths together. Conductive-polymer technology and fluoro-polymer construction make the water sensor cable mechanically strong and highly resistant to corrosion and abrasion.

Benefits at a glance

- Distance-measuring control panel for water or oil sensor cable
- Ideal for longer areas of liquid leak detection
- Connects to up to 1,500 metres of standard or high-sensitivity detection cable
- Stand-alone or can function as part of a larger Floodline® installation
- Wall-mounted for easy access
- Water sensor cable mechanically strong and highly resistant to corrosion and abrasion
- Oil sensor cable uses technology to make the cable strong and chemically resistant
- Cable detects the presence of water or oil at any point along its entire length

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



Floodline Ranger® Control Panel with 4-digit LED display showing leak distance in metres.

Configurations

Ranger P-LFP1 (Leak Detection Module)
Item 600307

Ranger P-LFP1 (Leak Detection Module) + Enc.
Item 600311

Ranger 2 Leak Detection Module
Item 600593

Ranger 2 Control Panel
Item 600613

Ranger 2 Control Panel (UAP)
Item 600618

TECHNICAL INFORMATION

Power: 230 VAC, 50Hz mains operated, 60W

Relay contacts: 125 VAC 0.5A, 24 VDC 1A normally open (can be normally closed)

Storage temperature: -40°C to 60°C

Operating temperature: -20°C to 50°C

Operating humidity: 5%–95% (no condensation)

Serial interface: RS485, Modbus RTU; selectable BAUD rate (default 9600), optional address 0–247 (default 0)

Indicators: LEDs for power, cable fault and leak, plus 4-digit LED display for leak distance in metres

Controls: Mute button; automatic reset

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

Dimensions: H 150mm × W 178mm × D 67mm

Fixing: Wall or surface mounted

Connections: Screw terminals for all wiring