LEAK DETECTION

Pipe in Pipe Oil Sensor

Used for pipe-in-pipe systems, double-contained tanks and projects where interstitial monitoring is required.



For pipe-in-pipe systems and interstitial monitoring

Andel worked together with Durapipe, one of the world's largest double-containment pipework manufacturers, to develop the Andel Floodline® DP01 Pipe-in-Pipe Sensor for use in pipe-in-pipe systems, double-contained tanks and other projects where interstitial monitoring is required.

The DP01 sensor is designed for use either as a stand-alone leak detection system connected directly to a standard monitoring system, or interfaced — singly or in multiples — with one of Andel's range of Floodline leak detection control panels.

How it works

The sensor uses infra-red to detect the presence of any liquid touching the sensor dome. When liquid is detected, the relay within the local control unit turns off, and this is detected by either a monitoring system or a Floodline panel. The relay also turns off if the sensor becomes disconnected or if the power should fail.

The sensor consists of two components: the sensor head and the control box. The control box is the interface between either a central Floodline alarm panel or another monitoring system capable of monitoring volt-free contacts.

Installation

The sensor head is encapsulated and supplied in either a ½" or 1" BSP male threaded socket for fitting into the outer pipe at the lowest point, or within a specially fitted "catchpot". The sensor is then connected to the local control box. Both the sensor and the control box are IP65 rated.

Benefits at a glance

- Can be used as a stand-alone system connected to a stand-alone monitoring system, or interfaced with Andel's range of control panels
- Uses infra-red to detect the presence of liquid
- Encapsulated sensor head



Andel Floodline DP01 Pipe-in-Pipe Oil Sensor head and local control box.

Configurations

DP01 Pipe in Pipe Oil Sensor 0.5 inch	DP01 Pipe in Pipe Oil Sensor 1 inch	DP01 Control Unit
Item 600037	Item 600038	Item 600039

TECHNICAL INFORMATION

Function: Water/oil leak detection; can be used with most liquids (call for confirmation)

Control construction: IP65-rated polycarbonate enclosure in light grey (RAL 7035)

Control dimensions: L 120mm × W 80mm × D 55mm

Control fixing: Screw holes in enclosure back

Sensor construction: IP65-rated, encapsulated uPVC in mid/dark grey

Sensor cable: 2m length

Sensor fixing: Standard fitting ½" or 1" BSP male thread (please specify when ordering)

Power: Supply voltage 9–30 VDC; supply current 18mA (standby), 7mA (in alarm)