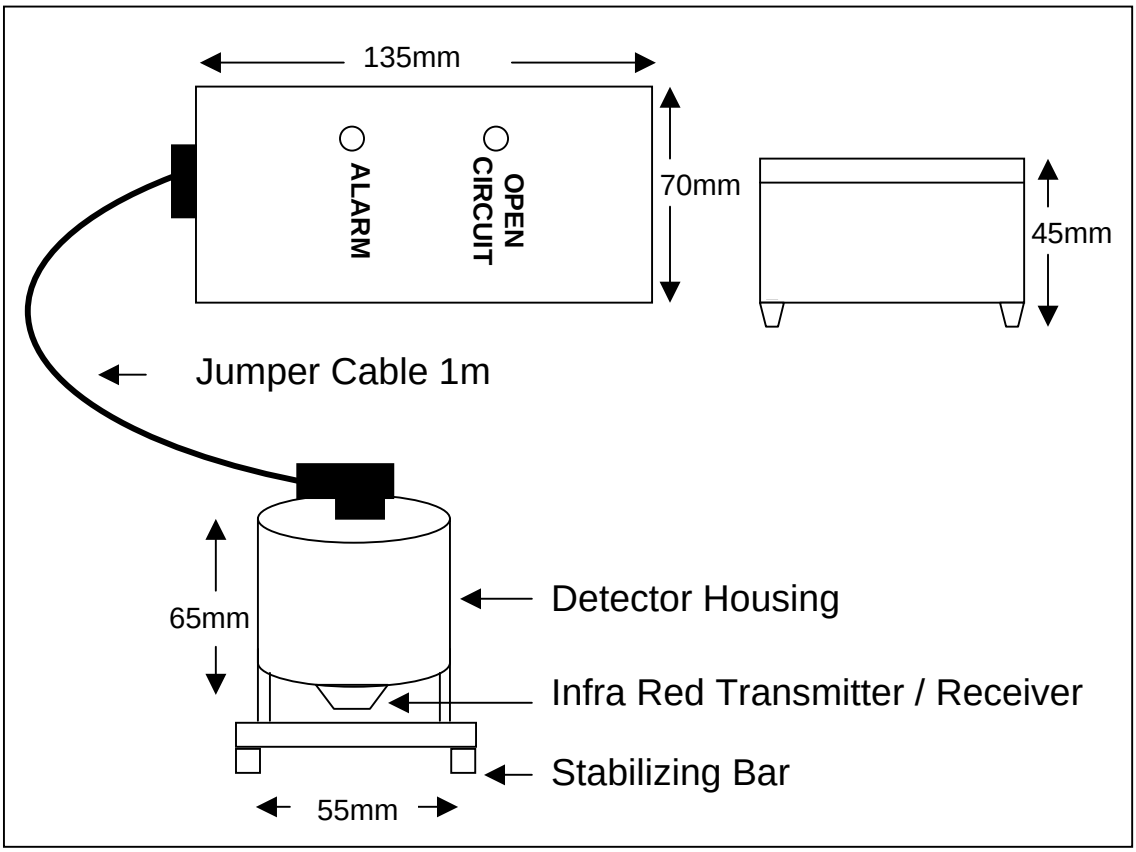
i-Zone Detector *Model IRDi-24*



Specification

The IRDi-24 Point of Use Oil Detector shall comprise of TWO components, the detector module and the Point of Use Detector, connected together via a 1m jumper cable. Both the Detector Module and the Point of Use detector shall be manufactured from STAREX General ABS (SD-0150) plastic. The Detector Module shall house the electronic circuitry and the Point of Use detector shall house the Infra-Red transmitter / receiver, which shall extend from the bottom of the Detector. Its height above the reflective sensing area shall be set between 3-5mm. A reflective area (50mm diameter) must be painted on the floor with paint capable of reflecting light. (e.g. standard white gloss paint) The top of the Point of Use Detector shall be fitted with a sensitivity pot for calibrating the Infra-Red focal point. The jumper cable shall be connected to the top of the Point of Use Detector via a 3-pin plug & socket. A stabilizing bar shall be supplied as a means of fixing the Point of Use detector to the floor surface. A red LED will glow to indicate the detection of a substance. Alarm status and monitoring is via a network, using a CAN bus system.

Data

Normal operating voltage :	24 volts d.c.
Quiescent Current :	< 10mA. per detector.
Alarm Current:	<100mA. per detector.
Detector oscillator frequency:	6kHz.
Infra-Red probe type:	Gallium arsenide
Recommended interconnecting cable:	4 core 0.5mm^2 screened Twisted Pair
Line-out voltage drop:	1.5mV/m.
Approvals:	BS EN ISO 9001:1994 EMC Directive 89/336/EEC CE Marked

THORNE AND DERRICK UK – LEAK DETECTION
TEL: 0044 (0)191 490 1547 FAX: 0044 (0)191 477 5371
TEL: 0044 (0)117 977 4647 FAX: 0044 (0)117 477 5582
WWW.HEATTRACING.CO.UK
WWW.THORNEANDDERRICK.CO.UK
e-mail: northernsales@thorneandderrick.co.uk