



Infra-Red Point of use Detector

Model IRDi-24

SPECIFICATION

The IRDi-24 Point of Use Oil Detector is made up 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 houses the electronic circuitry and the Point of Use detector houses the Infra-Red transmitter / receiver, which extends from the bottom of the Detector. A reflective area (50mm diameter) must be painted on the floor with paint capable of reflecting light. (e.g. standard white gloss paint). The jumper cable is connected to the top of the Point of Use Detector via a 3-pin plug & socket.

A red LED will glow to indicate an alarm condition. Alarm status and monitoring is via a network, using a CAN bus system. A stabilizing bar is required, as a means of fixing the Point of Use detector to the floor surface.

Data

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| 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: | 120Ohm 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 |
| Module Dimensions: | Height 45mm Width 70mm Length 135mm |
| Detector Dimensions: | Height 65mm Width 55mm |