



LEAK DETECTION – LEAK-SENSE CONTROL PANEL LS-2i



The LeakSense Control Panel shall be wall mounted and be of a mild steel construction and powder coated with a 6 line format 114mm x 64mm Blue LCD screen.

When connected to a single phase mains supply the Control panel shall generate Pulsed Echo Radar signals, which shall be transmitted along the entire length of the Leader/Jumper and Detecting Cables. Any change in the characteristics of the cable is compared to pre-programmed limits and dependent on the type of change the LCD will display an Alarm and the Alarm Horn will sound.

The LCD screen will, during normal operation display the current Time and date, and the words 'SYSTEM CLEAR'. It will also display the functions available of the soft touch buttons located each side of the LCD together with a pulsing Heart denoting that the system is connected to a healthy Mains Power Supply.

In an Alarm state the LCD will display current Time & Date, a meterage reading giving the location of the Alarm and the Alarm state, i.e. 'Water Detected' or 'Open Circuit'. The Alarm Horn will also sound. It will also display the functions available of the soft touch Buttons and at the touch of a button, produce an 'Alarm' Verification Graph (This will show the wave form of the actual alarm).

'Clear' Signal contacts for 'Water Detected', 'Open Circuit', 'Mains Fail', 'Battery Fail', and 'Service', together with RS-232 and RS-485 outputs are fitted as standard for remote signalling.

For safety the Control Panel is fitted with a key operated lock and 'Power Off' door switch.

On completion of the installation, a system location map will be prepared and encapsulated to enable easy identification of the Alarm location.



Main features

114mm x 64mm LCD Screen displaying:-
Current Time & Date, System status, Alarm status & available Button functions.

Power 'On'.
Power Support System 'On'.
Service.

System will monitor 1500 metres of cable.
Last 100 Event Memory.
Alarm Siren 97db @ 1m.
Alarm horn 'Mute', 'Test' and all other functions displayed on LCD when required.
Lockable mild steel cabinet.
Powder Coated RAL7035.
Door Interlock safety switch.
Mains Fail Battery Back Up. (4 hours)

Outputs

RS-232
RS-485

Volt free outputs

Water Detected, Open Circuit, Mains Fail, Battery Fail and Service.

Resolution

+ or - 1 metre.

Mains Voltage Range

120 or 240 volts A.C. @ 50 or 60 Hz.

Normal Operating Voltage

24 volts D.C. internally supplied.

Operating Temperature Range

0 to 50 deg.C.

Approvals

BS EN ISO 14001 and ISO 9001: 1994.
EMC Directive 89/336/EEC, CE Marked.

Cabinet Dimensions

Height 330mm
Width 255mm
Depth 85mm