

Alarm System

GENERAL INFORMATION

The LPS-4i device is designed to monitor four sections of a pre-insulated heat distribution system equipped with a pulse alarm system.

The resistance of the polyurethane insulation and the sensor loop, as well as self-calibration of the device are measured during a measurement cycle. The resistance of the polyurethane insulation is measured with two polarisations of measuring voltage. The measurement accuracy is affected neither by changes in the ambient temperature nor interferences caused by physical phenomena of an electric character that occur in a carrier pipe.

The measurement data are shown on the alpha-numeric display screen in the form of digital values of measurement results and text messages. The backlit display consists of four lines, each of which contains twenty characters. Each line is assigned to one measurement channel (one sensor loop). In addition, failures are signalled by a red light-emitting diode. Users can set a critical value of resistance of the polyurethane insulation, below which failure will be signalled. The selected value is shown on the display screen once power is restored.

The detector cannot be used in rooms with a high dust level and where the atmosphere contains explosive gases or highly corrosive gases.

For detailed information about the device, contact Biosteel.



biosteel a/s

Algade 35, Grønbjerg · DK-6971 Spjald, Denmark
+45 4027 8099 · info@biosteel.dk · www.biosteel.dk