

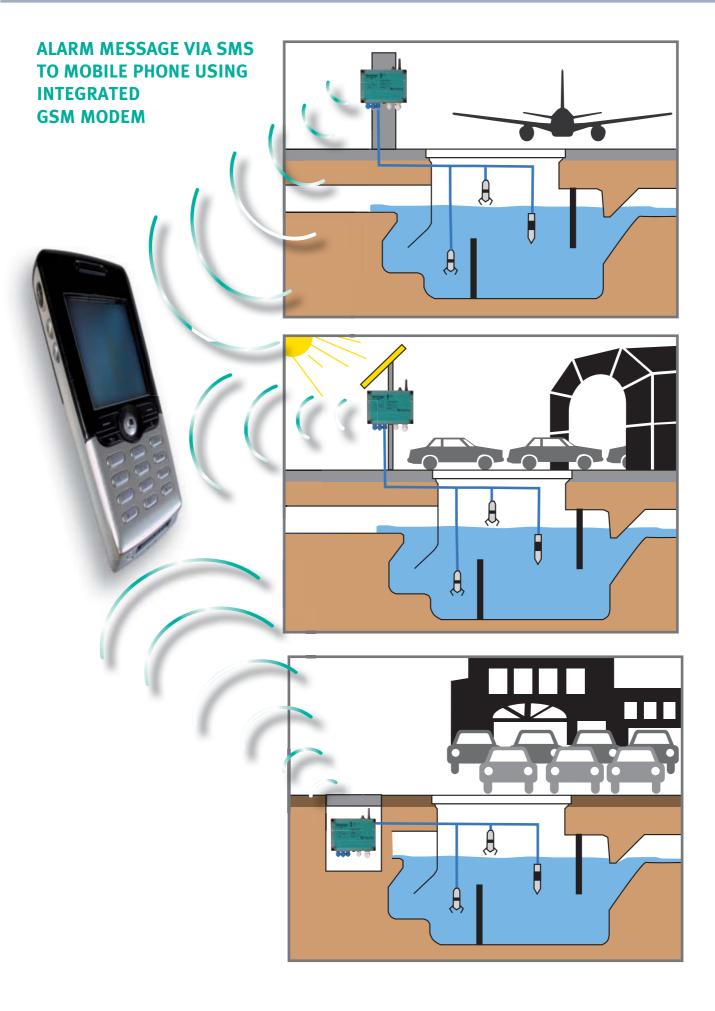
OIL SEPARATORS
WITH SMS ALARM







APPLICATION EXAMPLES



CONTROL UNITS



NEW DIGITAL SENSORS



OVERFLOW SENSOR LAL8-D-EX

signal is generated.

This digital ultrasonic sensor allows detection of an excessive liquid level in oil or petrol separators. It is installed suspended above the normal liquid level.

If the sensor overflows, an alarm

The sensor reacts, for example, to a closed floating stop or dirty coalescence filter, thus reducing the risk that oil separators will overflow and oil products will contaminate the ground. Its robust construction with no moving parts guarantees long-lasting, reliable function. Its compact design helps to make installation easy under any conditions.

LAYER THICKNESS SENSOR LAL1-D-EX

This digital capacitive sensor detects the thickness of the oil layer or a falling liquid level within an oil or petrol separator. As long as the sensor is surrounded by water, its high-frequency signal is attenuated; if it is surrounded by oil or air, however, this attenuation does not occur, indicating an alarm condition.

The sensor detects situations that may mean an overflow of oil and thus a hazard to the environment. Its robust construction guarantees long-lasting, reliable operation, and its compact design makes it easy to install under any conditions.

SLUDGE SENSOR LAL9-D-EX

This digital ultrasonic sensor is used to monitor the sludge level in oil or petrol separators. As long as the sensor is surrounded by liquid, its output signal is reflected to the receivers. However, if the signal is interrupted by sludge, sand or metal parts, this signals an alarm situation.

This sensor reliably prevents the oil or petrol separator from being clogged with sludge, allowing hazardous materials to escape into the environment. Furthermore, this allows manual checks of the sludge level to be kept to a minimum. Its robust construction with no moving parts guarantees longlasting, reliable operation, while its compact design makes installation easy.

APPLICATION-ORIENTED ALARM SYSTEM

WARNING DEVICE FOR OIL/PETROL SEPARATORS WITH SMS ALARM

This new warning device is an efficient solution for monitoring oil and petrol separators. It is suitable for all applications for which efficient monitoring was previously impossible due to cost or technical reasons.

The system enables reliable, round-the-clock remote monitoring and thus is also suited to areas where persons are not always present. If it detects an alarm condition, it generates a text message and sends it via SMS to up to three mobile phones using the integrated GSM modem. This alarm message is periodically repeated until the cause of the alarm is remedied. In addition, weekly status messages via SMS make it easier to gain a seamless overview of the condition of the oil and petrol separator.

The scope of the monitoring can be individually configured by connecting up to three different sensors. Possibilities include, for example, layer thickness, overflow or sludge sensors. This ensures a comprehensive, application-specific protective function.

Because additional sensors can be connected to each available 2-wire connection, the system is also optimally suited for retrofitting existing systems.

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