

OL-SLDM

OmniLeak Smart Leak Detection Module



Description

OL-SLDM is an advanced acquisition module designed for reliable detection and location of unwanted presence of water and other conductive liquids in indoor or outdoor conditions. The measurement frontend is engineered for interfacing with passive sensor strings for conductive liquids not exceeding 30 m / 100-ft. With its individual sensor section monitored by the OL-SLDM module, this device provides the base for building a true multi-leak system. Advanced measurement techniques and data treatment algorithms are used to provide quick detection in a wide temperature range. The status of the module is indicated by embedded LED for instant identification of the sensor string in alarm. The module provides the leak alarm level allowing adjustable thresholding from the associated monitoring panel. The OL-SLDM module is provided with specific algorithm for tracking the electrical conductivity between the detection cable sensor wires for very efficient reduction of the false positives due to condensation, conductive dust, dirt, etc. (intelligent thresholding).



Photos and illustrations are not contractually binding and are subject to change without notice.

OL-SLDM is communicating with the monitoring equipment through a proprietary multi-level proprietary bus allowing reliable communication over distances exceeding 3.2 km / 2 miles. Compatible controllers and sensors are listed on the next page.

Features and Benefits

- Detects reliably fuels and viscous hydrocarbons
- True multi-leak capability
- Provides leak alarm level
- Intelligent thresholding
- Low power consumption for reliable remote monitoring over long distances
- Wide operating temperatures range

Typical Applications

- Monitoring of battery rooms, acid storage tanks, etc.
- Monitoring of dual-wall district heating and cooling circuits in demanding environmental conditions
- Leak detection in commercial buildings, hospitals, data centers, etc.
- Monitoring of rigid and flexible piping for produced water

Compatible Sensors


OL-CLS	Sensor cable for water and corrosive conductive liquids for indoor applications
OL-ALS	Sensor cable for water and corrosive conductive liquids for indoor or outdoor applications - pipe-in-pipe, district heating and cooling circuits, high-humidity indoor applications, etc.

Technical Data

Dimensions (without leader cable)	80 mm x diam. 25 mm (3.2-in x diam. 1-in.)
Weight	105 g (0.23 lb.)
Fire Rating	UL94-HB (UL94-V0 available on request)
Ingress Rating (with connector)	IP68/NEMA4X - suitable for outdoor installation (short-term immersion only)
Operating Temperature Range	-25 °C to +65 °C
Power Supply Voltage Range	12 - 20 VDC Class 2 Load side only
Location accuracy	+/- 1 m / 3.5-ft
Power Consumption	20mA max.
Mounting	Free-hanging (wall- or floor-mounted with suitable brackets)
Compatible Controllers	OL-ASAT7, OL-ECAT12, OL-ECAT7, OL-ECAT12

Warning! This product shall only be used with OMNILEAK brand passive sensors. The use with non- sensors will lead to unpredictable results and may compromise the electrical safety of the product. Any deviation from the specified conditions of use is strictly prohibited.

Product Codes

 OL-SLDM	Acquisition module with male and female connectors
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Manufacturer

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Certifications



Valid only when used with the appropriate certified acquisition devices
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