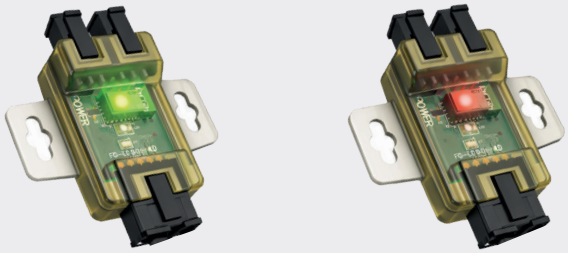
LIQUID LEAK DETECTION SYSTEMS
LIQUID COOLING SOLUTIONS

DLC Kit

Standalone Point Sensor

PRODUCT DATASHEET



- Standalone & Plug-and-Play Point Sensor
- Designed for Conductive Liquid Leaks
- Embedded Molded Connector
- High-Visibility LED with Real-Time Status
- Space-Efficient and Lightweight

Description

The DLC Kit is a standalone & plug-and-play point sensor designed for the detection of water and conductive coolant leaks in data center environments. It incorporates a molded connector and a high-visibility LED status indicator for reliable connection.

The unit supports connection to a defined length of sense cable, compatible with various sense cable types (including plenum-rated cable, water detection cable, and liquid cooling applications).

Upon detection of liquid on the connected sense cable, the unit triggers a flashing red LED indicator and activates a relay output. This output can be interfaced with alarm systems or building management systems (BMS) to enable immediate response and enhance system protection.

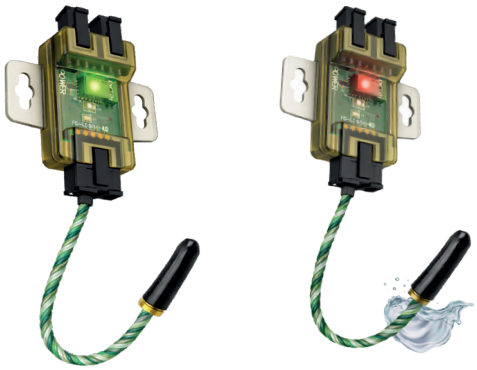
Key Advantages

- **Standalone & Plug-and-Play**
  The DLC Kit operates as a fully autonomous unit, powered by a 12–24 V AC/DC supply, ensuring continuous operation without requiring external control panels.
- **Designed for Water and Conductive Coolants Leaks**
  Designed for data centers and commercial buildings where conductive coolants and water are present, the DLC Kit ensures reliable leak detection.
- **Equipped with a Sensor Connector**
  The DLC Kit is equipped with a molded connector and supports a sense cable up to 3 m.
- **Immediate Response to Leaks with High-Visibility LED Indicator**
  - Blinking green: normal
  - Blinking red: leak detected
  - Steady red: sense cable break detected
  - No LED light: power loss indicator
- **Integrated Output Relay**
  The molded electronic box features dedicated connection for the relay output. The relay is activated upon leak or cable break detection, allowing direct integration with alarm or automation systems.
- **Compact, Space-Efficient Design**
  Ideal for confined areas such as server racks, CRAH units, drip trays, bunded zones, and other critical spaces where compact installation is required.
- **Low Maintenance Requirements**
  Only a simple semi-annual functional test is recommended to ensure continued performance.

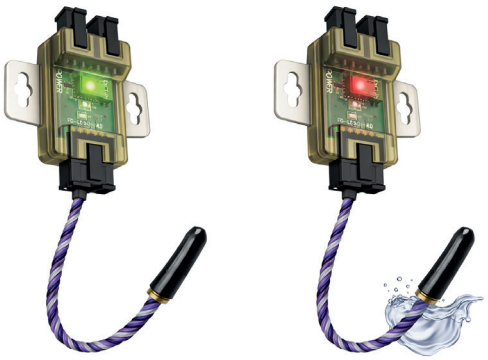
Technical Data

DLC Kit Supply Voltage	12-24V AC/DC
Relay Output	Normally open (N.O.) & normally closed (N.C.), max current 0.3 A, max voltage 160 V
Reusability	Reusable
Color	Amber
Operating Temperature	-15°C to +55°C
Ingress Protection	IP 40
Enclosure Type	Polyamide (PA) UL94 V0
Dimensions (W, H, D)	27 mm x 59 mm x 16 mm without eyelets 56 mm x 59 mm x 16 mm with eyelets

Product Images



DLC Kit with a Plenum-Rated Sense Cable Connected



DLC Kit with a Sense Cable Connected

Connection Diagram

POWER SUPPLY
(red)

RELAY OUTPUT
(green)

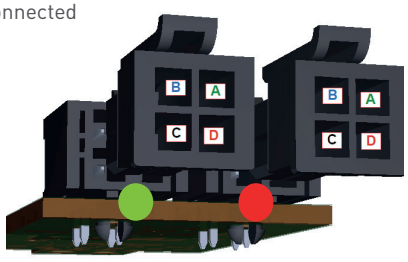
Integrated Connector

RELAY OUTPUT
(green dot)

A = Normally Closed
B = COM
C = Normally Open
D = Not Connected

POWER SUPPLY
(red dot)

A = Not Connected
B = Not Connected
C = GND 0 V
D = Power Supply



Identification Codes

DLC Kit	Standalone Point Sensor with Connector

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