

Related products

Control



ColdFace
Full control and great flexibility for cold rooms.

Monitoring



TelevisGo v10
Remote maintenance and local monitoring.



Digital Academy

More information about LKD and all resources to learn, choose and use Eliwell refrigeration solutions are now available on a dedicated portal. Increase your competencies today, everytime from everywhere!



LKDNext

Refrigerant leaks detection



- > Multi gas detectors for flammable, natural, synthetic refrigerants
- > Compatible with Eliwell Air App for quick and easy configuration
- > EN378 compliant

ITALY - Headquarters

Eliwell Controls Srl
Via dell'Industria, 15 Z. I. Paludi
32016 Alpage (BL) - ITALY
T +39 0437 986 111

Sales
T +39 0437 986 111 (Italy)
T +39 0437 986 100 (Italy)
T +39 0437 986 200 (other countries)
E saleseliwell@se.com

Technical support
T +39 0437 986 300
E techsuppeliwell@se.com

CT123427 • BRO LKD • EN • rel. 1024
© Eliwell Controls s.r.l. 2024 - All right reserved

Why is a leaks detector needed?

Remote refrigeration systems lose an average of 15% of gas every year causing a decrease in efficiency and creating the risk of system shutdown.

Several of the gases in refrigeration plants are dangerous to people.

Most of the gases in refrigeration systems have adverse environmental effects. Please, keep refrigerants in systems without leaks.

LKDNext offers leakage detection while simplifying and enabling compliance with regulations. With a rapid response time, and integrated audio & visual alarms, it helps in reducing the machine down times and the refilling costs.

Main features

Compact size and IP67 enclosure

Suitable for low temperature applications **above -40°C**

Easy and fast configuration and maintenance with **Eliwell Air App** on site



Multi gas technology with low quantity of part numbers

Embedded visual **LED** and audible alarm **buzzer** with **button** for alarm reset

Built-in and remote type of sensors

Plug&play **spare sensor**

Choose your model

Part number	Sensor mounting	Refrigerant group	Range	Sensor technology	Sensor operational lifetime
LKDN67IR00BSK	Built-in	R744 (CO ₂)	0 - 10000 ppm	Infrared (IR)	7 years
LKDN67IR00RSK	Remote				
LKDN67SC01BSK	Built-in	R32 and mixtures	0 - 1000 ppm	Semiconductor (SC)	5 years
LKDN67SC01RSK	Remote				
LKDN67SC02BSK	Built-in	HFC/HFO	0 - 1000 ppm	Semiconductor (SC)	5 years
LKDN67SC02RSK	Remote				
LKDN67SC03BSK	Built-in	HC	0 - 4000 ppm	Semiconductor (SC)	5 years
LKDN67SC03RSK	Remote				
LKDN67EC04BSK	Built-in	R717 (Ammonia NH ₃)	0 - 100 ppm	Electrochemical (EC)	2 years
LKDN67EC04RSK	Remote		0 - 1000 ppm		
LKDN67EC05BSK	Built-in	R717 (Ammonia NH ₃)	0 - 1000 ppm	Electrochemical (EC)	2 years
LKDN67EC05RSK	Remote		0 - 5000 ppm		
LKDN67EC06BSK	Built-in	R717 (Ammonia NH ₃)	0 - 5000 ppm	Electrochemical (EC)	2 years
LKDN67EC06RSK	Remote				

Options without Bluetooth: same part numbers without the final K

Connectivity

- > 1x configurable **analog** output to represent current gas concentration
- > 2x SPDT **relays** to inform about warning and alarm status
- > Embedded **Modbus** serial
- > Compatible with **TelevisGo** and **Refrigeration Expert** monitoring systems
- > Compatible with **Eliwell AIR app** via Bluetooth connection

Download Eliwell AIR app



Applications



Supermarkets, C-Stores

Refrigerant leak detection can enhance efficiency and sustainability and reduce repairing costs.



Compressor Racks

Cost-effective leak detection is typical for applications that need automated systems to be compliant with F-Gas or EN378 regulations.



Walk-in freezer, Cold Rooms

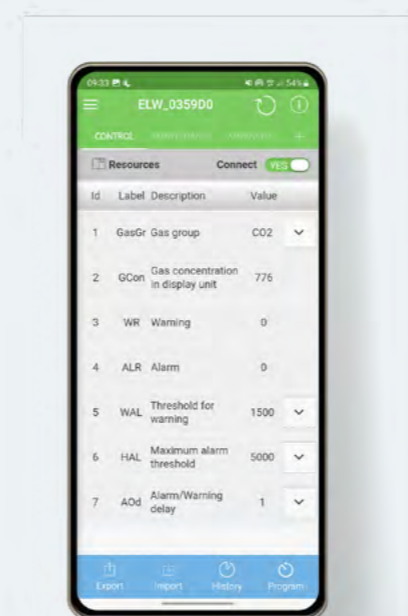
Refrigerant leakage is a key topic for human safety. LKDNext solution is fundamental for enclosed spaces that may create a risk of asphyxiation.



Warehouses

Industrial cold storage facilities commonly using Ammonia need a dedicated leak detection solution, to minimize toxicity and explosion risks.

Connect to LKDNext with Eliwell AIR app



1 **Easy commissioning**

2 **Real time monitoring** of device: refrigerant concentration, thresholds, warning and alarms status.

3 **Multiple and customizable user profiles**