



Electric Automation
Automation specialists

Reference: LKD41R134R400

LKD41R134R400 ELIWELL LEAK DETECTOR
LKD R134A IP21

Buy it at [Electric Automation Network](#)



LKD LEAK DETECTORS

The gas sensors LKD represent the current technology in gas detectors and can detect the leakage of a large range of gases (R134a, R404a, NH₃, R290, R600a and CO₂).

The models available are:
Semiconductor (SC) and Infrared (ir).

Important feature of the sensors LKD is that they can be used:

Alone (stand-alone), thanks to an output digital relay that can control a buzzer, a siren, etc
Integrated in the management system remote Eliwell (e.g. TelevisGo) or third parties thanks to a RS485 port on-board (only model Modbus).

| | SEMICONDUCTOR R134a/R404a/NH3 - R290/ R600a | INFRA-RED CO2 |
|-----------------------------------|--|--------------------------|
| PROTECTION IP | IP41 (TN applications) — IP66 (applications BT) | |
| DIMENSIONS/WEIGHT | IP41: 86x142x53 - 180 grams IP66: 175x165x82 - 629 grams | |
| POWER | 12/24Vc/a ±20% 50/60 Hz | |
| POWER CONSUMPTION (AT 12V) | 153mA | 136mA |
| ANALOG OUTPUTS | 0-5V, 1-5V, 0-10V, 2-10V, 4-20mA | |
| DIGITAL OUTPUTS | 1 relay 1A/24Vc/a | |
| BUZZER | If | |
| DELAY ALARM SELECTABLE | 0, 1, 5, 10min | |
| CONNECTIONS | 1 RS485 for connection to supervisor Modbus only in the corresponding model (see) | |
| FIELD OF WORK TYPICAL | R134a: 0...1,000 ppm - R404a: 0...1,000 ppm R290: 0...2,000 ppm - R600a: 0...2,000 ppm CO2 = 0...10,000 ppm NH3: 0...1,000 and 0...10,000 ppm | |
| TEMPERATURE RANGE | IP41: -20°C ... +50 °C — IP66: -40°C ... +50°C | |
| HUMIDITY RANGE | 0 ... 95% (without condensation) | |
| FAULT INDICATION | Red LED ON - green LED OFF | |
| LIFE TIME OF THE SENSOR | 5-8 years | 8-10 years |
| ALARM THRESHOLD T50 | 76 ppm | 25 ppm |
| ALARM THRESHOLD T90 | 215 ppm | 90 ppm |
| RESETTING TIME | 600 sec. | 210 sec. |

Characteristics

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| Model | LKD 100 R134a 12/24V. IP41 |
| Relays | 1 |
| Gas | R134a |
| Degree IP | IP41 |
| Options Gas | R134a |
| Supply voltage | 24 Vac/vdc, 12 Vac/vdc |