LEAK DETECTION

Multi Gas Detector

Continuous monitoring for the presence of specified gases in enclosed spaces.



Continuous monitoring for the presence of specified gases

Andel's Multi Gas Detectors are intended for continuous monitoring for the presence of specified gases in enclosed spaces. The detector's control consists of periodic measurement of the concentration of a given gas in the ambient air; exceeding the prescribed concentration values produces an audible/visible alarm and a change in the status of the output contacts. The Multi Gas Detector uses RS485 for onward communication.

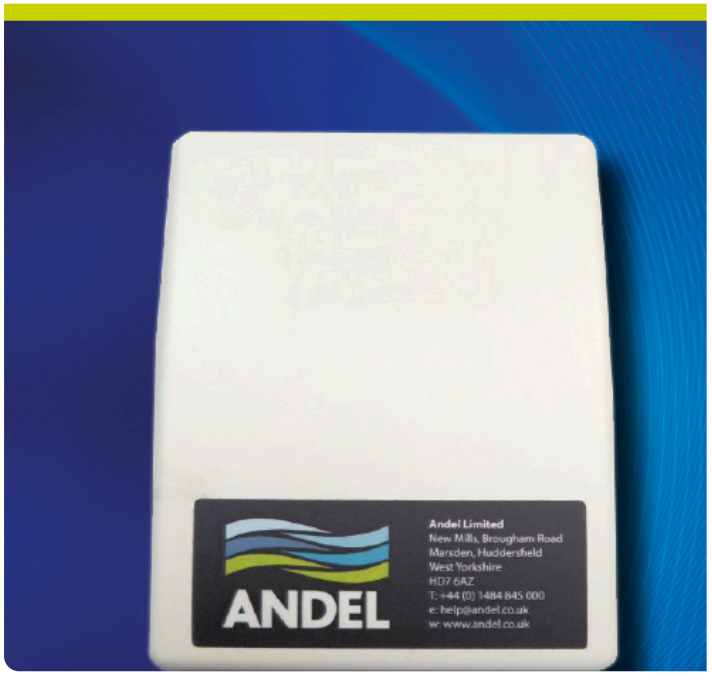
Typical applications

Typical areas of application are hotels, offices, public buildings and large buildings with spaces (rooms) endangered by the emission of specified toxic or explosive gases or refrigerant.

All detectors are calibrated at the Calibration Lab, operating in accordance with PN-EN ISO/IEC 17025 (accreditation PCA no. AP 150).

Benefits at a glance

- Quick and easy assembly and installation
- Stylish outer housing for wall mounting
- Various areas of application
- Can detect multiple types of gases
- Remote supervision, identification and diagnostics
- Cost-effective



Andel Multi Gas Detector in its stylish wall-mounting housing.

Features

- Exchangeable, intelligent semiconductor sensor for carbon monoxide, propane butane or HFC refrigerants (selected models with an infrared optical sensor)
- Standard calibration (thresholds)
- Digital communication with the detection system through an isolated RS485 port with the MODBUS RTU protocol
- Easy assembly and connection via FTP cable with removable self-detaching clamps (the detector can be 'unplugged' from the digital bus)
- NO and NC contact output (low voltage)
- Built-in acoustic signal (switched off by a jumper/electronic port)
- Power 24VDC (range 10–30VDC)
- Remote supervision, identification and diagnostics of all detectors in the network through the MDD-256/T modules
- Stylish housing for wall mounting (cable entry from the plaster or mounting to a typical Ø60mm flush-mounted box)

Model options

Semiconductor sensors:

- **DD-11** — hydrocarbons, methane
- **DD-14** — methane (selective)
- **DD-15** — propane butane (LPG)
- **DD-22** — carbon monoxide
- **DD-61** — CFCs / chlorofluorocarbon (HFC)

Configurations

Digital Gas Detector DD-14 Methane 24V RS485
Item 600378

Digital Gas Detector DD-15 Prop-Buta 24V RS485
Item 600379

Digital Gas Detector DD-22 CO 24V RS485
Item 600380

Digital Gas Detector DD-61HFC 24V RS485
Item 600381

Digital Gas Detector DD-8R CO2 24V RS485
Item 600382

Digital Gas Detector DD-62HFC 24V RS485
Item 600391

Standards & certifications

- PN-EN ISO/IEC 17025