AKOGAS

Infrared Detectors for HFC. Precision and reliability to make your business profitable

AKO

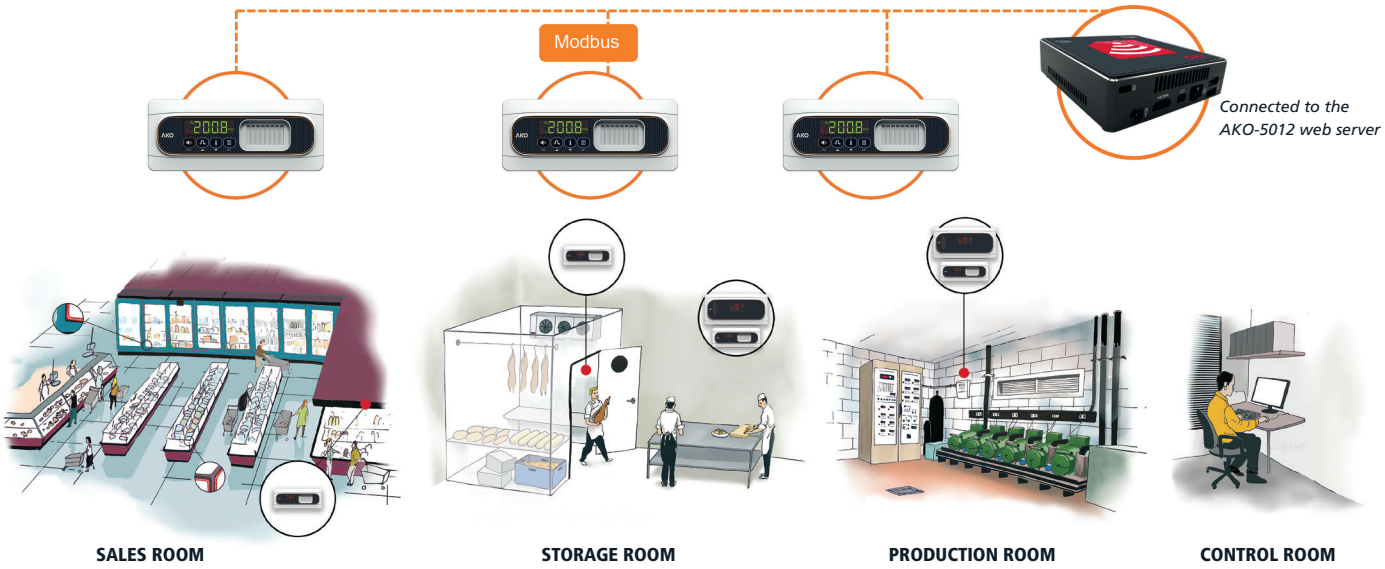
www.ako.com

More information

AKOGAS

The new range of infrared detectors for gas leaks by AKO is the best solution for reducing leaks by up to 75% in your refrigeration facility. This is thanks to its early detection system and high precision, thereby preventing operating costs resulting from gas leaks and allowing monitoring and logging of leaks using the CAMM Module (optional).

AKOGAS is specially designed for early detection of gases and, as such, helps you to drastically reduce the operating costs of your facility since it can be installed in any part of it:



EFFICIENCY IN THE EARLY DETECTION OF GAS LEAKS

With AKOGAS NDIR you can **SAVE** on:

- Topping up refrigerants (Direct Saving)
- Energy consumption (Indirect Saving)
- Reduced maintenance costs
- Extend the service life of the facility parts

A facility operating at 80% of its capacity of refrigerant gas increases its electric consumption by 15%, in addition to increasing stress in the refrigerating circuit components, thereby reducing its service life.

VERSATILE AND ROBUST

- Installation flexibility. It can be installed for autonomous operation or connected directly to our AKONet web server or via the AKOGAS station.
- IP68 protection and an operating temperature of -30 °C to 45 °C. It can be used in negative cold store rooms covering all possible applications.
- Its user interface facilitates use and diagnosis, thereby minimising after-sales calls.

MAXIMUM PRECISION AND SELECTIVITY

- Specific sensors for each gas type and highly selective, therefore preventing false alarms due to other gases, solvents or cleaning products.
- Precision less than 5% in gas leak detection.
- Two detection levels, adjustable from 20 ppm to 2,000 ppm.
- Equipped with SetHold mode which prevents false alarms during the refrigerant charging process.

INCREASED CONNECTIVITY

- Modbus equipped as standard for its connection to the AKONet web server.
- Optionally, the CAMM Module can be connected to provide Bluetooth connectivity for monitoring and control from mobile phones. Moreover, with the CAMM Module historical logs are obtained for:
  - Gas leaks in ppm;
  - Alarms and incidents;
  - Audits (changes in the equipment configuration);

VERSIONS AND REFERENCES

Models	Versions	Power supply
AKO-575022	R22 GAS TRANSMITTER	12 - 30Vdc
AKO-575134A	R-134a GAS TRANSMITTER	
AKO-575404A	R-404A GAS TRANSMITTER	
AKO-575410A	R-410A GAS TRANSMITTER	
AKO-575507A	R-507A GAS TRANSMITTER	
AKO-575400	BROADBAND TRANSMITTER FOR GASES R-134a / R-404A / R-407A / R-410A / R-125	
AKO-58500	CAMM MODULE	-
AKO-58120	DETECTOR PROTECTOR	-
AKO-58110	CALIBRATION TOOL	-

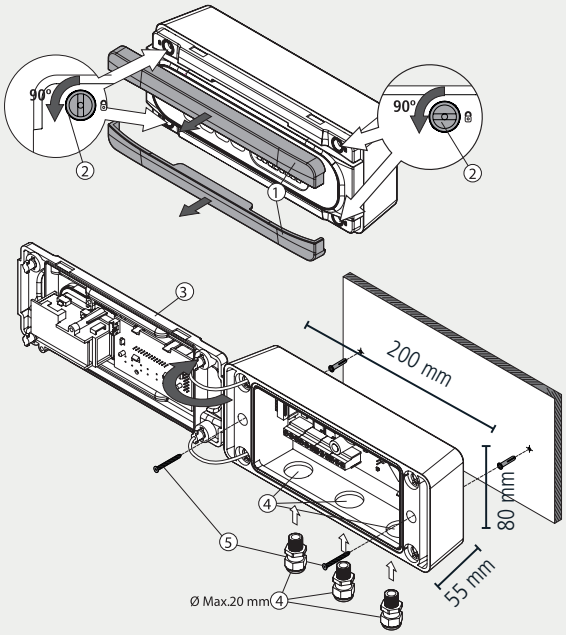
AKO-575xxx

AKO-58500

AKO-58120

AKO-58110

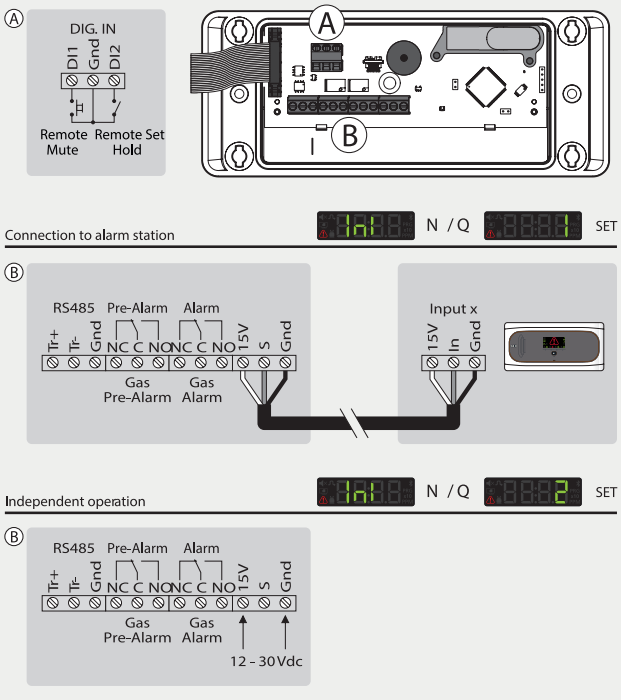
DIMENSIONS



TECHNICAL SPECIFICATIONS

Power supply. .....12 - 30 Vdc
Typical consumption.....75 mA
Maximum.....100 mA
Working ambient temperature ..... -30 °C a 40 °C
Storage ambient temperature .....-30 °C a 60 °C
Maximum moisture range permitted ..... 0 - 95 % HR (without condensation)
Protection degree .....IP 68
Sensor type.....NDIR (Non-Dispersive Infrared Technology)
Display range.....0 - 2000 x1 ppm
EMC standard.....EN61010
Dimensions .....202 mm (An) x 82 (Al) x 55.5 mm (P)

ELECTRICAL CONNECTIONS



HARDWARE CHARACTERISTICS

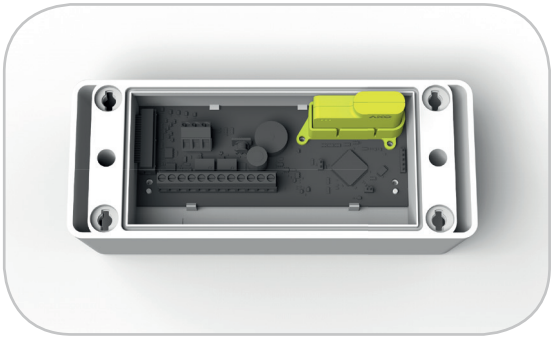
Inputs	
2 DIGITAL INPUTS	· Mute Remoto · Modo SetHold Remoto

Outputs	
2 RELAYS	· Pre-alarm NC 30V 2A · Alarm NC 30V 2A
ANALOGUE	4 - 20mA
COMMUNICATION	RS485

CAMM Module

A new horizon for usability and connectivity

Connectivity and storage module for key information in the early detection of gas leaks which enables access from a mobile device to the AKOGAS transmitter.



- Transmitter activity log.
- Continuous logging of gas leaks in ppm.
- Events and modification audits in its configuration.
- Summary of key data.
- Mobile configuration and parametrisation.
- User interface extension.
- Sharing of devices for remote management.

BENEFITS

1 INSTALLATION

- Reduces installation time and makes device configuration simpler.
- The equipment can be configured from mobile phones. Type configurations and parameters can also be created, saved and shared with other installers.

2 START-UP

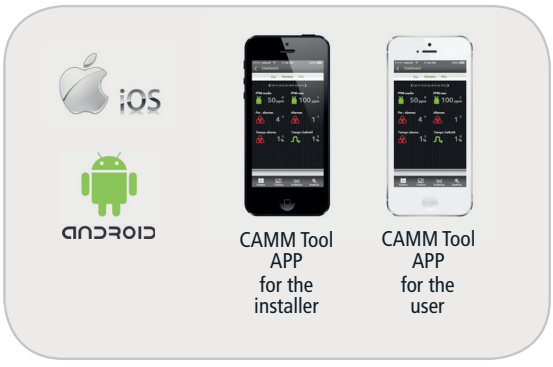
- Instantaneously provides information on the level of leaks, alarms, pre-alarms and the transmitter status.
- Identifies errors in device start-up, using logs of configuration and parametrisation changes.

3 POST-SALES

- Instantaneously monitors and logs the level of leaks, alarms, pre-alarms, trends and the transmitter status.
- Local and remote connectivity from a mobile phone, without requiring a local network or web server, to access key information for maintenance and troubleshooting, avoiding costly travel to the facility.

AKOGAS

CAMM MODULE
AKO-58500



AKO
www.ako.com

AKO ELECTROMECÁNICA, S.A.L.
Avda. Roquetes, 30-38, 08812 Sant Pere de Ribes (Barcelona) Spain
Tel.: +34 902 333 145 Fax:. +34 938 934 054