

## Gas Leak Detection Alarm highly accurate starting to detect refrigerator gases from 500 PPM

# CAMGas

Standards that make it compulsory to have a gas leak alarm in all non-ventilated refrigerated facilities. CAMGas is the most reliable solution to guarantee the perfect operation of your refrigerated facility.

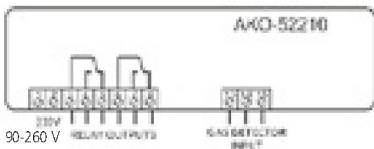
Maximum guaranteed saving, as a refrigerated facility has an average gas loss of around 2.2% per year, and savings are considerable, depending on the facility.

- Optic and acoustic alarm
  - Independent sensor that can be installed in different places
  - Digital detector ensuring flexibility and accuracy
  - Malfunction warning that allows detecting an inefficiency in the installation
  - 3 year calibration guarantee that allows checking the correct operation of the installation without having to make calibrations
- Gas Alarm that complies with the EN 378 and ASHRAE 15 Standard
  - Workers safety preserving its physical integrity
  - Control guaranteed at all times
  - Workers safety preserving its physical integrity
  - Low preventive maintenance and reduction in operating costs





## CAMGas Permanent high-precision gas leak detector, EN 378-3 & ASHRAE-15:2004 Standards



**It complies with EN 378-3 & ASHRAE-15:2004 Standards, that requires the installation of a fixed gas detection system in any premises with a concentration of over 25 kg freon gas (50 kg in the case of R17), which should have an optic and acoustic alarm both inside and outside the building, and the possibility of sending a signal in the case of an alarm for its remote monitoring.**

Furthermore, the use of this device allows immediately detecting possible gas leaks with levels from 500 ppm, so minimising risks for people in occupied spaces and the economic impact from the loss of refrigerated gas. It also has a warning system in the event of a broken cable in the sensors, which are supplied with a calibration guarantee of 3 years.

**Applications:** machine rooms, cold storage rooms, sales rooms and preparation rooms

- 2 levels of screening: Pre-alarm 500 ppm and Alarm 1000 ppm
  - Remote sensor. Maximum distance sensor 200 m
  - 2 auxiliary relays to active remote alarms.
  - Work environment sensor -20/50 °C
  - It is not suitable for classified areas as potentially explosives zones.
  - Detection of broken cable.
- Detect following gases:
- Sensor A: R-404 A, R-507 A, R-22, R-23, R-422 D, R-422 A, R-434 A, R-437 A, R-408 A, R-403 B, R-124, R-407 A
  - Sensor B: R-134 a, R-407 C, R-410 A, R-417 A, R-409 A, R-32
  - NH3 Sensor Kit (available from the second quarter of 2012 year)

Reference	Description	Family	Pack
AKO-52201	Gas detection alarm + A sensor	4200	1 Unit
AKO-52202	Gas detection alarm + B sensor	4200	1 Unit
AKO-52203	Gas detection alarm + C sensor	4200	1 Unit
AKO-52210	Gas detection alarm (spare)	4200	1 Unit
AKO-52211	A sensor (spare)	4200	1 Unit
AKO-52212	B sensor (spare)	4200	1 Unit
AKO-52213	C sensor (spare)	4200	1 Unit

## COMBIGas Gas leak detector + Trapped person alarm. EN 378 & ASHRAE-15:2004 Standards



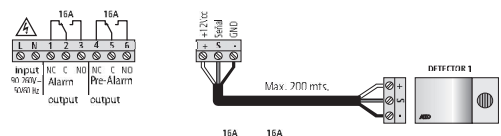
**The easy to handle AKO Safety Kit, allows quick and easy installation and set-up of the device. It also is highly precise starting to detect from 500 PPM, guaranteeing a safe and efficient installation.**

The easiest and most efficient way of complying with current regulations in your refrigerated facility, with the most complete and flexible device on the market. It is made up of a central unit with a powerful acoustic and visual alarm, and with IP65 protection so that it can be installed in hostile environments. A maximum of 4 luminous emergency buttons can be connected to it for its use as a Trapped Person alarm, or a combination of up to 2 gas leak sensors plus 2 emergency buttons, and it is the first and only alarm on the market that combines gas detection and a trapped person alarm in a single device, complying with EN 378-3 & ASHRAE-15:2004 Standards

The device has a battery life of over 10 years, with the 4 emergency buttons activated, as required by regulations, detection of broken button and/or gas sensor cables, IP65 sealing, possibility of sending a signal in the event of alarm for its remote monitoring and gas sensors with a 3 year calibration guarantee.

**Applications:** machine rooms, cold storage rooms, sales rooms, preparation rooms, food distribution logistics centres

- 2 level of screening: Pre-alarm 500 ppm and Alarm 1000 ppm
  - Remote sensor. Maximum distance 50m
  - 2 auxiliary relays to active remote alarms.
  - Work environment sensor -20/50 °C
  - It is not suitable for classified areas as potentially explosives zones.
- Detect following gases:
- Sensor A: R-404 A, R-507 A, R-22, R-23, R-422 D, R-422 A, R-434 A, R-437 A, R-408 A, R-403 B, R-124, R-407 A
  - Sensor B: R-134 a, R-407 C, R-410 A, R-417 A, R-409 A, R-32
  - NH3 Sensor Kit (available from the second quarter of 2012 year)



Reference	Description	Family	Pack
AKO-522014	Gas detection + Trapped person + sensor A + Pushbutton	4200	1 Unit
AKO-522024	Gas detection + Trapped person + sensor B + Pushbutton	4200	1 Unit
AKO-522034	Gas detection + Trapped person + sensor NH3 + Pushbutton	4200	1 Unit
AKO-522104	Gas detection + Trapped person + sensor + Pushbutton (replace)	4200	1 Unit