**Warning**

- Transmitters / detectors should be installed in a place protected from vibrations, water and corrosive gases, where the ambient temperature does not exceed the value indicated in the technical data.
- The transmitters / detectors are not suitable for areas classified as potentially explosive.
- The gases currently used in industrial refrigeration, for which this transmitter has been designed, are heavier than air. They are therefore always concentrated in the lowest part of the refrigerated room or space. Please take this into consideration when choosing the installation site. It is advisable to leave a distance of around 50 cm free.

**Working conditions:**
- Avoid handling refrigerant gases near the sensor. If this is unavoidable, use Set Hold or Maintenance mode. Do not paint the sensor or place it near solvents or paints. Exposure to acetone vapours may generate false alarms.
- This device must be installed in a location where a minimum distance of 20 cm to the human body can be maintained, in order to ensure compliance with standards on human exposure to electromagnetic fields.
- Avoid installing the device on metal walls or near devices that may produce radio emissions.
- The detector should usually be installed in an area where gas may concentrate, near places where gas leaks could start.
- The sensor should be installed away from: - Smoke outlets located in confined spaces or from engines, generators or motorised machinery (fork-lift trucks, etc.).
- Particular damp areas or areas with strong ventilation.
- The sensor should be installed away from: - Smoke outlets located in confined spaces or from engines, generators or motorised machinery (fork-lift trucks, etc.).

**Operation**

**Without alarms**

The display shows the current gas concentration in ppm. Without alarms, the display shows the type of gas detected. From parameter b03, you can fix a value below which the display will always show zero.

**Alarms**

The transmitter emits an acoustic alarm, the alarm indicator flashes and activates the relays when certain gas concentration levels are exceeded. If the transmitter is connected to a stationary station, the station will emit the acoustic alarm. The relays are activated in both devices.

There are two alarm levels depending on the concentration of gas detected: Pre-Alarm and Alarm. These have a factory setting of 500 and 1000 PPM respectively. These values comply with domestic and international regulations. However, please ensure that these values comply with current local regulations. In order to modify these values, parameter AL1 should be configured to 1.

Activations and deactivations of pre-alarms and alarms are sent to the cloud instantly.

**Simplified declaration of conformity**

AKO Electromecánica S.A.L. hereby declares that the radioelectric device types AKO-575xxxx (Gas transmitter with NB-IoT communication) conform to the provisions set forth by Directive 2014/53/EU.

The full text of the EU conformity declaration is available at the following internet address: http://help.ako.com/manuales/declaracion-ue-de-conformidad
Setup wizard

1. Connect the power supply, the display will show the message [mF] flashing with [0].
2. Use keys [a] and [b] to select one of the options depending on the type of installation and press [SET] to confirm.

- in1: Demo mode*  
- in2: Connection to alarm station
- in3: Independent operation

The sensor has reached its minimum working temperature.

1 minute elapses without any key being pressed, the transmitter will automatically proceed to demo mode*

AOK-N754000 only
3. The display will show the message GeC. Use keys [m] and [n] to select the type of gas to be measured (ALL, 125, 134A, 404A, 407F, 410A, 448A, 449A, 513A, 452A, 32, 23 or 455A), and press [SET] to confirm.

All models
The transmitter will begin to operate normally.

If the transmitter is connected to an alarm station, initiate the configuration wizard in the transmitter before doing so in the station.

This function will not reinitialize once the transmitter has been reconfigured. To reinitialize the function, disconnect the power supply, reconnect it and press [a] and [b] before 2 minutes are up.

4. If this is not the first time you initiate the wizard, after completing the last step the display will show the message dF (parameters per detect). You may choose to modify the two parameters:
   - Ge: Only changing the parameters which affect the wizard (GeC, b04 and b05). The other parameters will remain the same.
   - b4: All parameters return to their factory setting except those which have been modified by the wizard, and is advisable to reset to zero on start-up. For further information, refer to the user manual available on www.ako.com

* Demo mode shows the reading of the gas concentration on a flashing panel with the message in1. It does not activate Alarms or Pre-Alarms. This mode enables you to postpone configuration of the transmitter.

Signing up to akonet.cloud

In order for the transmitter to be able to send operating data to akonet.cloud, it must be registered. To do this, go to https://akonet.cloud [requires registration], click on “Add new device” [c] and continue with one of these two methods:

A. Enter the serial number (SN) and validation code / IMEI that appear on the tag and press “Search”.
B. Capture the QR code that appears on the tag using the [option] (requires having a camera on your PC, tablet or mobile phone).

These data are found on the tag on the right-hand side of the transmitter. More information can be found in the akonet.cloud user guide at: “http://help.ako.com/manuals/akonet-cloud”

[enter akonet.cloud, enter your browser in the address (the use of Google Chrome is recommended): https://akonet.cloud]

Before activating the device, make sure that there is enough reception at the installation location. Activated devices may not be returned.

Forcing transmission

When the steps of the configuration wizard and the registration process are completed in akonet.cloud, you must force a first transmission to verify the level of reception:

- Press and hold the ESC and SET keys for 3 seconds.
- After a moment, the display shows the quality of the NB-IoT signal received:
  - Low quality
  - Intermediate quality
  - High quality
  - Communication error

The transmitter does not start transmitting data to akonet.cloud until the first transmission has forced.