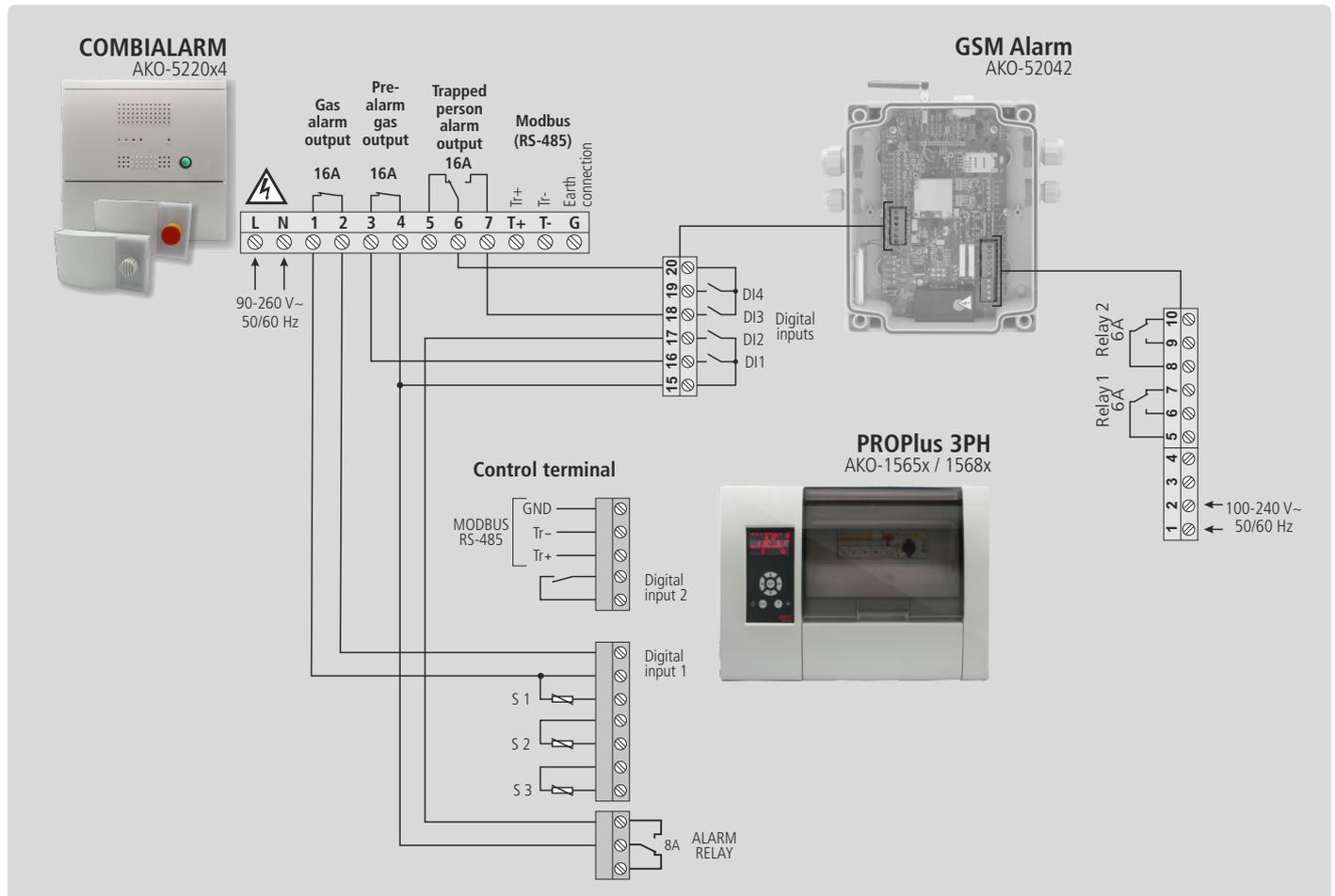# C€ **AKO-52042** GSM alarm configuration examples

Example 1

Connection of the GSM **AKO-52042** alarm with the **AKO-5220x4** gas and trapped person alarm and the PROPlus 3PH **AKO-1565x** or **AKO-1568x** electronic panel.

Configuration

COMBIALARM

Pre-alarm enabled.

GSMALARM

Input 1 configuration, send SMS: "*1, <PASS>, NC, 1, 10, 60, <TEL1>,< TEL2>, Pre-alarm of gas in cold room*""
Input 2 configuration, send SMS: "*2, <PASS>, NO, 1, 10, 60, <TEL1>,< TEL2>, Alarm in cold room*"
Input 3 configuration, send SMS: "*3, <PASS>, NO, 1, 10, 60, <TEL1>,< TEL2>, Trapped person in cold room*"
<PASS>: Administrator password.
<TEL1><TEL2>...: Telephone numbers the alert by order of priority will be sent to.

> **IMPORTANT:** The indicated persistence (1), confirmation (10) and resolution (60) times, and the alert messages are only examples, configure the parameters according to the needs of your facility.

PROPLUS 3PH

Digital input control
- Input 1 configuration: Severe external alarm
- Input 1 alarm delay: 1 (min)
- Input 1 polarity: Normally closed

Operation

Gas pre-alarm

If the **gas pre-alarm** is activated (according to delays adjusted in the detector), the optical and acoustic alarm of the **AKO-5220x4** alarm station are activated. If the alarm persists for more than 1 minute (persistence time), the message *"Pre-alarm of gas in cold room"* [1] is sent to the first telephone number on the list *<TEL1>*.

If after 10 minutes (confirmation time), confirmation is not received from the first telephone number, the alert message is sent to the second telephone number *<TEL2>*, and so on successively until confirmation is received.

When the confirmation has been received, you have 60 minutes (resolution time) to solve the fault, after this time, if the alarm persists, the process is started again from the start.

Gas alarm

If the g**as alarm** is activated (according to delays adjusted in the detector), the optical and acoustic alarm of the **AKO-5220x4** alarm station are activated and the PROPlus 3PH electronic panel displays the message *"Severe external alarm"*, stopping the temperature regulation and activating the panel's alarm relay. If the alarm persists for more than 1 minute (persistence time), the message *"Alarm in cold room"* [1] is sent to the first telephone number on the list *<TEL1>*.

If after 10 minutes (confirmation time), confirmation is not received from the first telephone number, the alert message is sent to the second telephone number *<TEL2>*, and so on successively until confirmation is received.

When the confirmation has been received, you have 60 minutes (resolution time) to solve the fault, after this time, if the alarm persists, the process is started again from the start.

Trapped person in cold room alarm

If the **Trapped person alarm** is activated, the optical and acoustic alarm of the **AKO-5220x4** alarm station is activated. If the alarm persists for more than 1 minute (persistence time), the message *"Trapped person in cold room"* [1] is sent to the first telephone number on the list *<TEL1>*.

If after 10 minutes (confirmation time), confirmation is not received from the first telephone number, the alert message is sent to the second telephone number *<TEL2>*, and so on successively until confirmation is received.

When the confirmation has been received, you have 60 minutes (resolution time) to solve the fault, after this time, if the alarm persists, the process is started again from the start.

Alarms in the control of the cold room

When the alarm relay is activated in the **PROPlus 3PH** panel and if the alarm persists for more than 1 minute (persistence time), the message *"Alarm in cold room"* [1] is sent to the first telephone number on the list *<TEL1>*.

Si If after 10 minutes (confirmation time), confirmation is not received from the first telephone number, the alert message is sent to the second telephone number *<TEL2>*, and so on successively until confirmation is received.

When the confirmation has been received, you have 60 minutes (resolution time) to solve the fault, after this time, if the alarm persists, the process is started again from the start.

The alarm relay in the **PROPlus 3PH** panel is activated if one of the following alarms goes off:
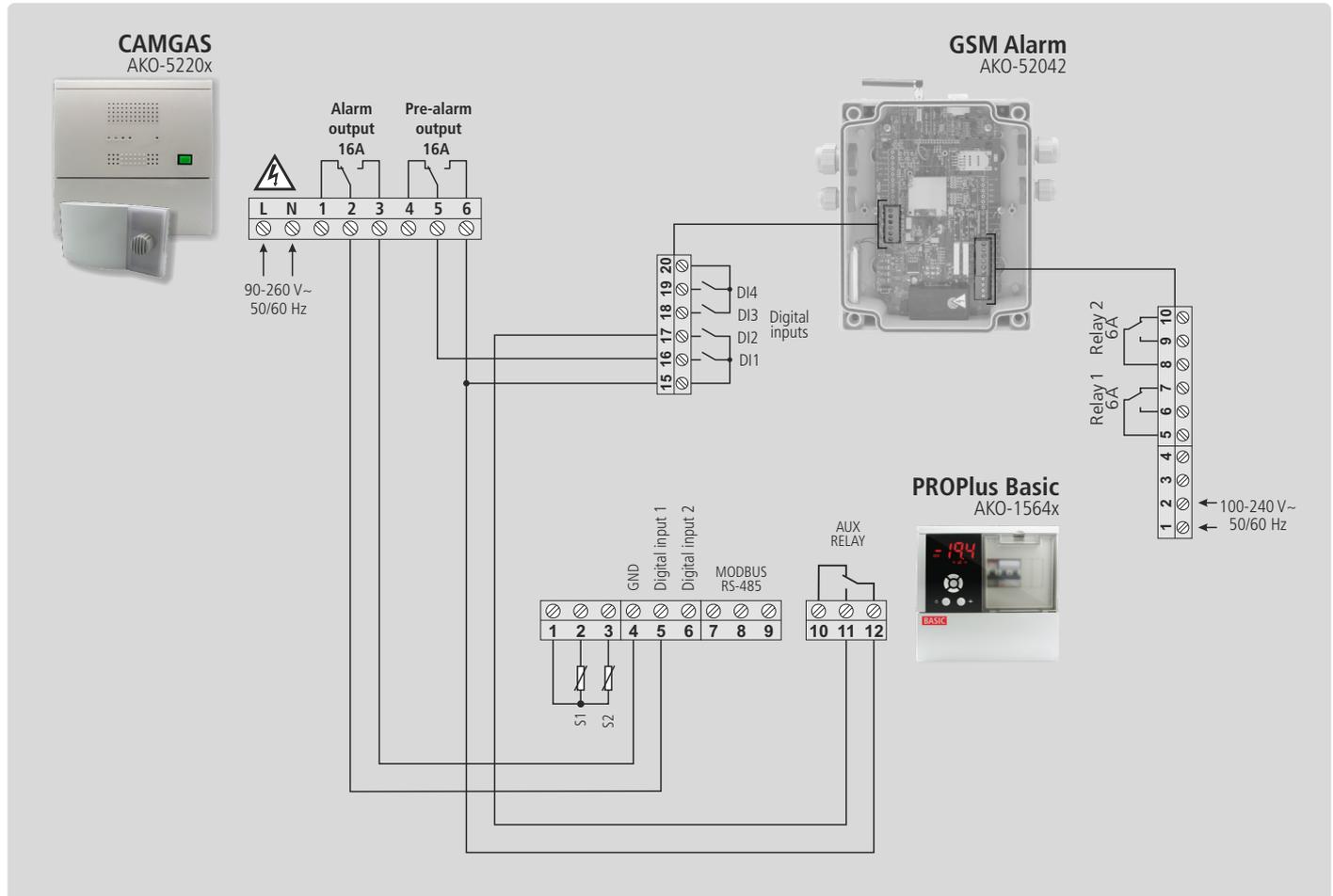
- Maximum / minimum temperature alarm
- External alarm / Severe external alarm
- Compressor safety chain alarm
- Probe 1, 2 or 3 error

> **IMPORTANT:** If the severe external alarm or safety chain alarms of the compressor are activated, temperature regulation will stop, deactivating all of the loads.

(1): The messages shown are configurable and depend on the configuration of each input (See section "Configuration")

Example 2

Connection of the GSM **AKO-52042** alarm with the **AKO-5220x** gas alarm and the PROPlus BASIC **AKO-1564x** electronic panel.

Configuration

CAMGAS

Pre-alarm enabled

GSMALARM

Input 1 configuration, send SMS: "*1, <PASS>, NO, 1, 10, 60, <TEL1>,< TEL2>, Pre-alarm of gas in cold room*"
Input 2 configuration, send SMS: "*2, <PASS>, NO, 1, 10, 60, <TEL1>,< TEL2>, Alarm in cold room*"
<PASS>: Alarm in cold room
<TEL1><TEL2>...: Telephone numbers the alert by order of priority will be sent to

> **IMPORTANT:** The indicated persistence (1), confirmation (10) and resolution (60) times, and the alert messages are only examples, configure the parameters according to the needs of your facility.

PROPLUS BASIC

General status CnF

- P62 (Configuration of the AUX 2 relay): 2 (Alarm)
- P10 (Configuring digital input 1): 3 (Severe external alarm)
- P12 (Digital input polarity 1): 0 (Energised on closed contact)

Operation

Gas pre-alarm

If the **gas pre-alarm** is activated (according to delays adjusted in the detector), the optical and acoustic alarm of the **AKO-5220x** alarm station are activated. If the alarm persists for more than 1 minute (persistence time), the message "*Pre-alarm of gas*" [1] is sent to the first telephone number on the list *<TEL1>*.

If after 10 minutes (confirmation time), confirmation is not received from the first telephone number, the alert message is sent to the second telephone number *<TEL2>*, and so on successively until confirmation is received.

When the confirmation has been received, you have 60 minutes (resolution time) to solve the fault, after this time, if the alarm persists, the process is started again from the start.

Gas alarm

If the **gas alarm** is activated (according to delays adjusted in the detector), the optical and acoustic alarm of the **AKO-5220x** alarm station are activated and the **PROPlus Basic** electronic panel displays the message "*AES*" (Severe external alarm), stopping the temperature regulation and activating the panel's alarm relay. If the alarm persists for more than 1 minute (persistence time), the message "*Alarm in cold room*" [1] is sent to the first telephone number on the list *<TEL1>*.

If after 10 minutes (confirmation time), confirmation is not received from the first telephone number, the alert message is sent to the second telephone number *<TEL2>*, and so on successively until confirmation is received.

When the confirmation has been received, you have 60 minutes (resolution time) to solve the fault, after this time, if the alarm persists, the process is started again from the start.

Alarms in the control of the cold room

When the alarm relay is activated in the **PROPlus BASIC** panel and if the alarm persists for more than 1 minute (persistence time), the message "*Alarm in cold room*" [1] is sent to the first telephone number on the list *<TEL1>*.

If after 10 minutes (confirmation time), confirmation is not received from the first telephone number, the alert message is sent to the second telephone number *<TEL2>*, and so on successively until confirmation is received.

When the confirmation has been received, you have 60 minutes (resolution time) to solve the fault, after this time, if the alarm persists, the process is started again from the start.

The alarm relay in the **PROPlus BASIC** panel is activated if one of the following alarms goes off:

- Maximum / minimum temperature alarm
- External alarm / Severe external alarm
- Open door alarm
- Probe 1, 2 or 3 error

IMPORTANT: If the severe external alarm is activated, temperature regulation will stop, deactivating all the loads.

(1): The messages shown are configurable and depend on the configuration of each input (See section "Configuration")