



XPGA multizone alarm

Main feature

The main feature of the XPGA is the color display screen (3.5") with 320x240 dots resolution with led backlighting. XPGA is made in DIN 96x96 format and the module dimensions are 96x96mm.

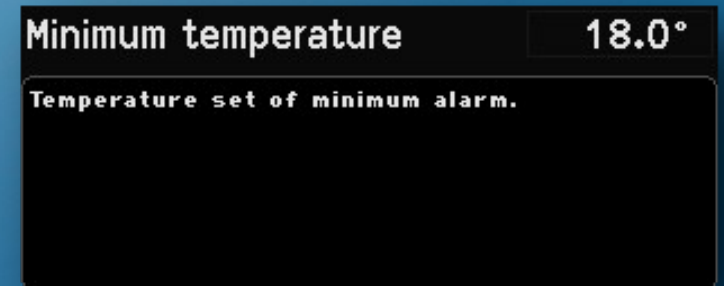
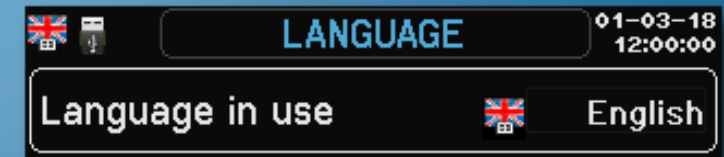


The user interface is easy and friendly. The easy touch screen system gives both the typical "easy to use" approach of a touch screen system and the strength and mechanical protection of a polycarbonate IP54 keyboard.

At every screen the function keys display a different graphic making the program very user friendly.

The user can select the display language: all the wordings, acronyms and "help" texts for programming assistance will be displayed in the chosen language.

Each programming step has its own help screen so the program has a "built in" instruction manual.



XPGA is an alarm system for up to 16 configurable zones

The first 8 zones (01 to 08) can be configured for:

- The management of the minimum and maximum temperature alarm detected by the optional probe SX or
- The management of an alarm contact from another device

The second 8 zones (09 to 16) can be configured for:

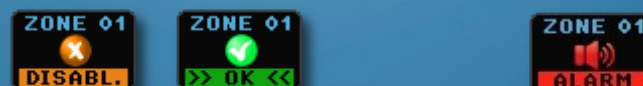
- The management of an alarm contact from another device



Display 'ZONE 01' in the 'SYSTEM STATUS' configured as a temperature alarm:



Display 'ZONE 01' in the 'SYSTEM STATUS' configured as an alarm contact from another device:



Zone parameter programming in "SETTINGS"



The 'ALARM TEST' can also be carried out in Automatic mode by setting:

- Duration
- Test timetable
- Test days of the week

(see 'INSTALL' settings on the following page)

Zone parameter programming in "INSTALLATION"

INSTALLATION 01-10-13 12:00:00

- Plant configuration
- Clock
- Language
- Password

Exit Move Move Select

PLANT CONFIGURATION 01-10-13 12:00:00

- Zones configuration
- Alarm options
- Alarm automatic test
- Archive deletion

Exit Move Move Select

ZONES CONFIGURATION 01-10-13 12:00:00

| | |
|-------------------|-------|
| Zone 1 alarm type | PROBE |
| Zone 2 alarm type | PROBE |
| Zone 3 alarm type | PROBE |
| Zone 4 alarm type | PROBE |

Exit Move Move Select

ALARM OPTIONS 01-10-13 12:00:00

| | |
|-----------------------|--------------------------------|
| Alarm delay time | 1:00 <small>min:sec</small> |
| Pre-alarm temperature | 1.0° |

Exit Move Move Select

ALARM TEST 01-10-13 12:00:00

| | |
|------------------|----------------------------------|
| Duration of test | 1:00 <small>min:sec</small> |
| Test start time | 12:30 <small>hour:min</small> |
| Monday | YES |
| Tuesday | NO |

Exit Move Move Select



Example of configuration of 16 contact alarms from an existing module

For each room:

- Management of an alarm contact from another device. In the example, an XPSF has been used, but it could have been any other module with an output set up with an alarm contact.

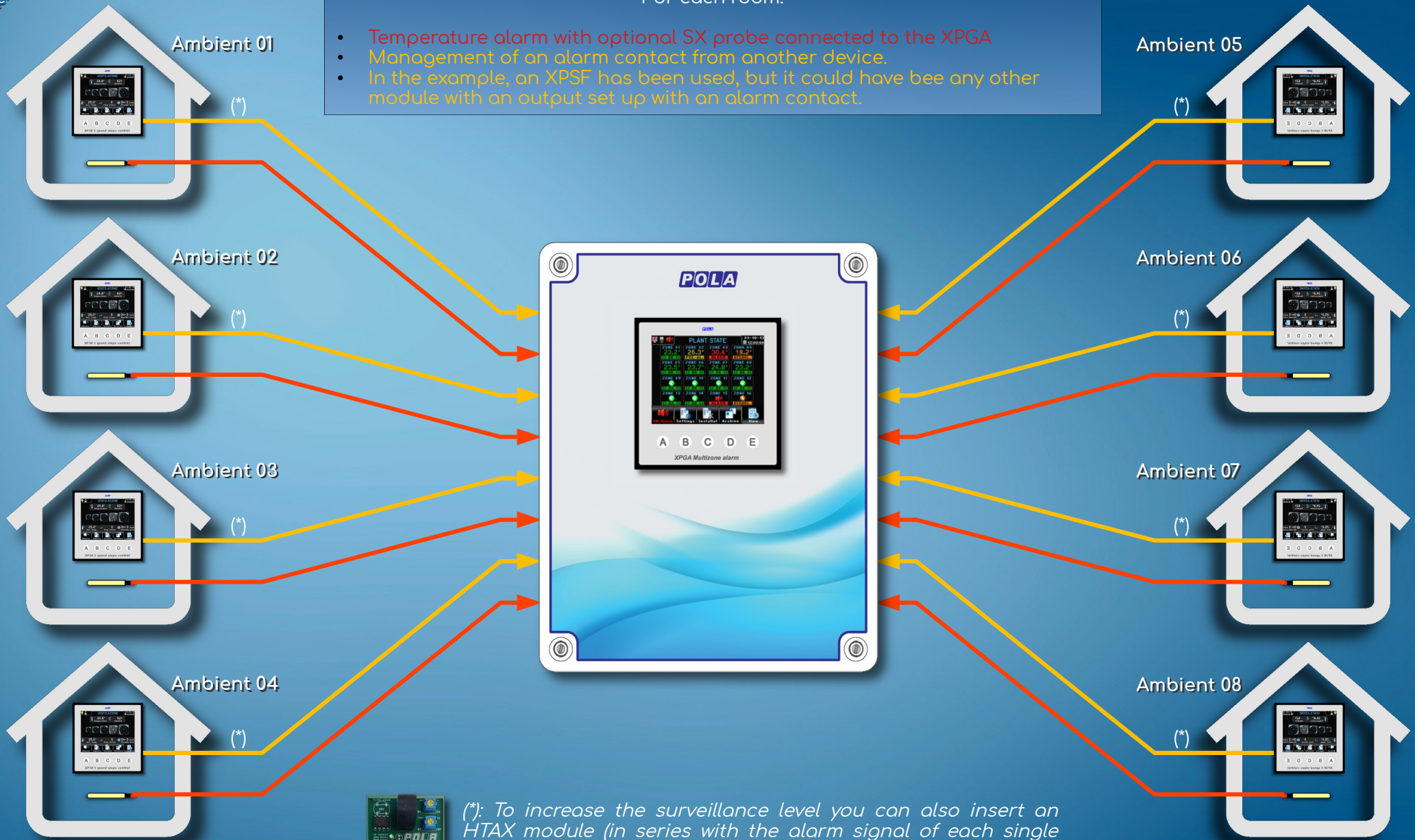


(*): To increase the surveillance level you can also insert an HTAX module (in series with the alarm signal of each single zone). The HTAX amperometric control allows the immediate intervention of the alarm in the event of block (due to failure) of the ventilation system.

Example of hybrid configuration with 8 temperature alarms and 8 contact alarms

For each room:

- Temperature alarm with optional SX probe connected to the XPGA
- Management of an alarm contact from another device.
- In the example, an XPSF has been used, but it could have been any other module with an output set up with an alarm contact.



(*): To increase the surveillance level you can also insert an HTAX module (in series with the alarm signal of each single zone).
The HTAX amperometric control allows the immediate intervention of the alarm in the event of block (due to failure) of the ventilation system.

HTAX single-phase amperometric control slot

HTAX is an amperometric control that allows you to set a minimum absorption threshold for single-phase fans below which the alarm is triggered. In this way, the shutdown of the ventilation system is promptly signaled.



In the case of systems in which the fan at minimum speed activates the ON-OFF timer mode (fans works in ON-OFF mode by timer) you can (via the Delay trimmer) t enter an alarm delay time, which must necessarily be greater than the Off time of the ventilation during the timing phase (in order to avoid the intervention of the alarm during the OFF time of ventilation system).

Inputs & Outputs



Other available connections

- USB plug
XPGA has a USB plug on the back.
- XNET
Network connection card (optional) for XPGA processor (see remote supervision).

Archive



TEMPERAT. ARCHIVE 01-10-13 12:00:00
1 01-01-13
Archive day Archive date

| | Min | Max |
|--------------------|-------|-------|
| Zone 1 temperature | 19.2° | 24.3° |
| Zone 2 temperature | 19.1° | 24.1° |
| Zone 3 temperature | 21.8° | 30.6° |
| Zone 4 temperature | 21.2° | 23.8° |

Exit Graphics Down page Day (-) Day (+)

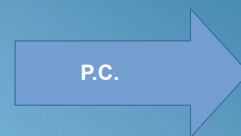


XPGA records all operations performed and temperatures

The daily archive records the following parameters:

- Daily temperature with 15-minute interval of the individual zones
- Minimum and maximum daily zone of the individual zones
- Alarm events
- Enable / disable alarms
- Etc

Data transfer



The communication with the outside world is performed by USB key.

→ **Export archives**

XPGA save in the USB memory a file containing all the day by day recorded data of the cycle.

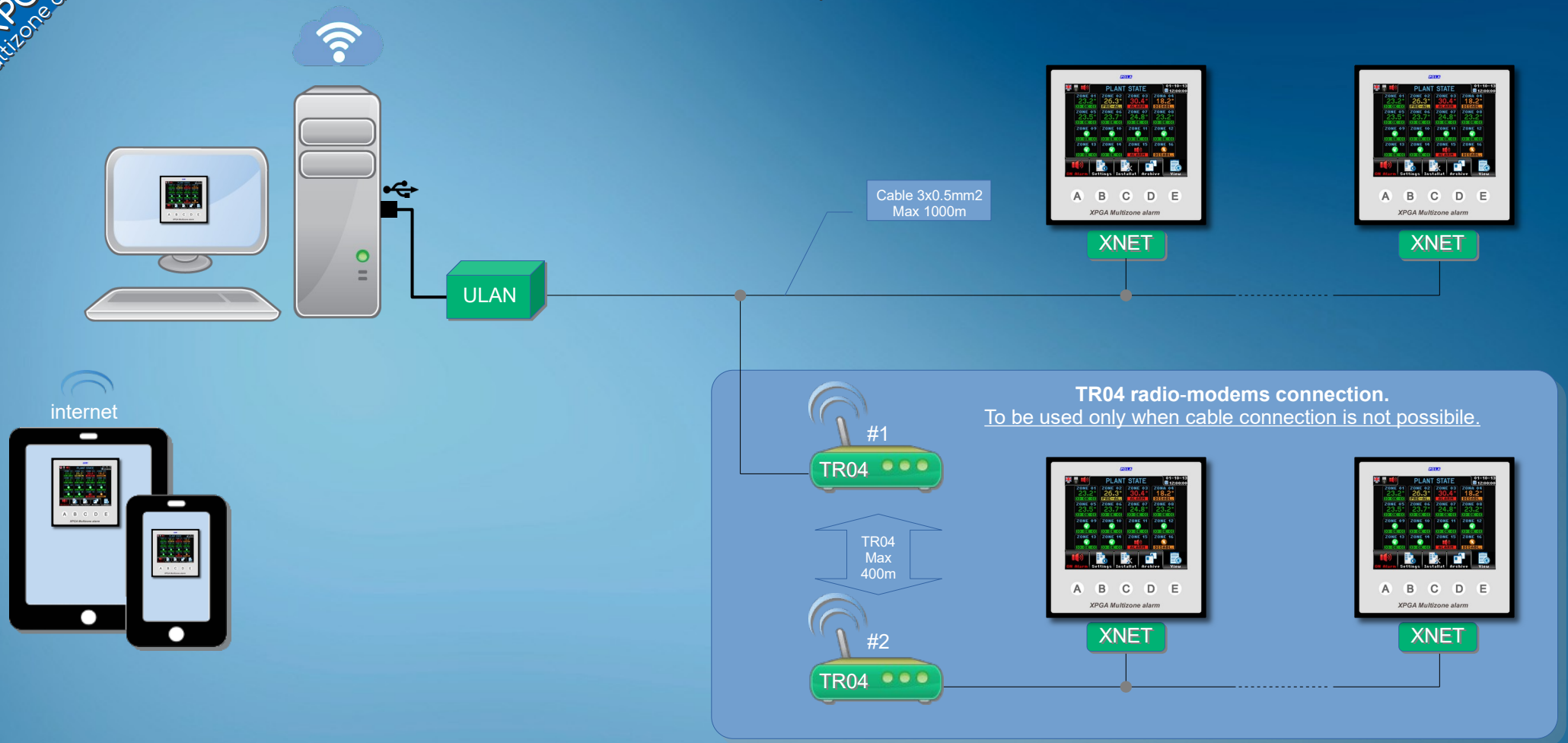
Connecting the USB key to a PC and by using the XPGA Dialogue software you can browse the recorded data in grid or graph formats.

→ **Importing / saving the setting**

You can save a file with all back-up infos on a USB file.

Saved settings can be uploaded on XPGA anytime by a user friendly procedure.

Remote supervision



Remote supervision of XPGA processors grants the full management of system by PC.

The XPGA Net Pro supervision software enables the full remote control of network connected processors. ULAN peripheral is connected to PC through a USB connection. XPGA - ULAN connection is done by a simple 3 wires cable. In all cases where ULAN cannot be cabled to XPGA we can supply TR04 radio-modems with a reach of 400 mt.

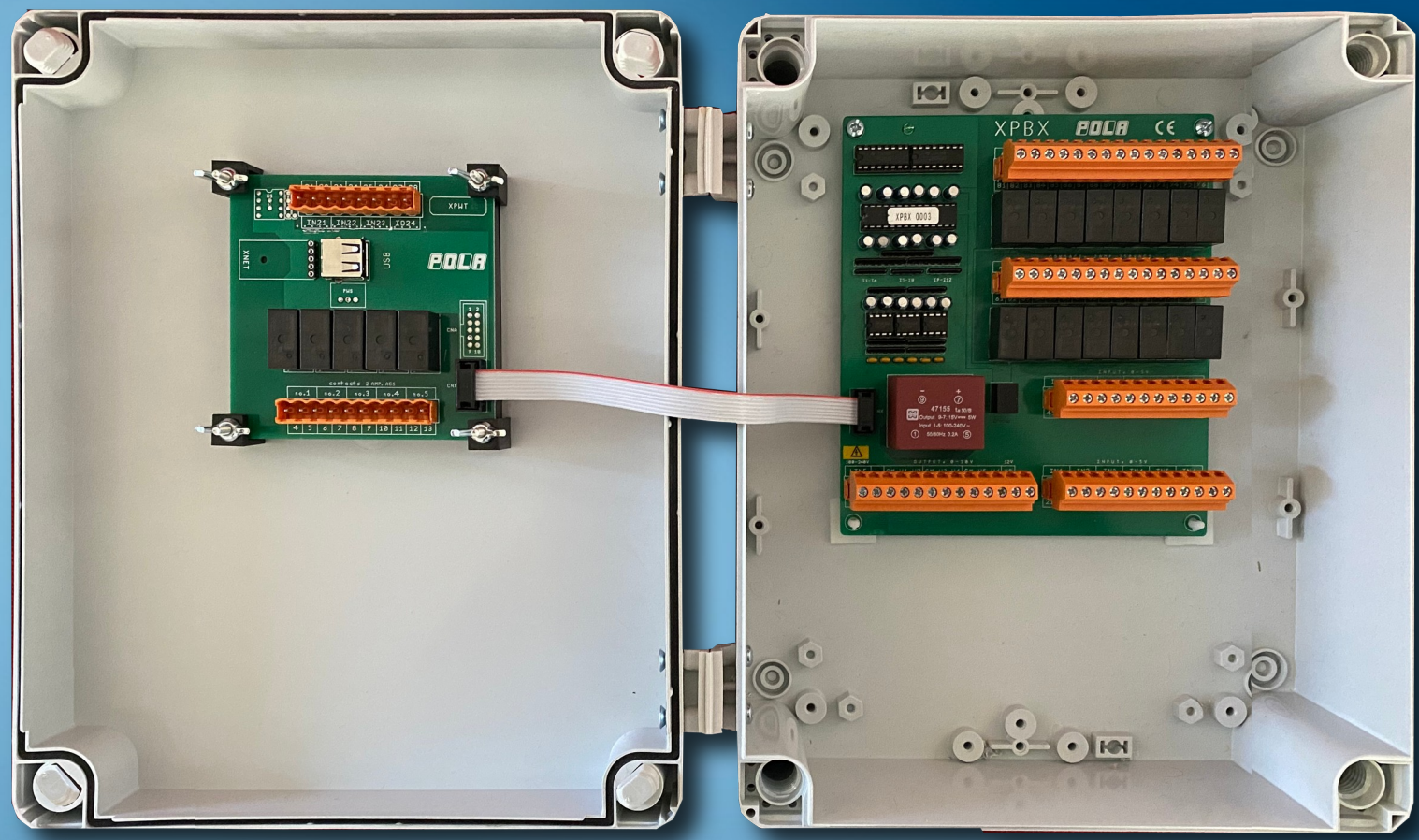
Components for creating a supervision system:

- ULAN: Network server Pc (with USB connection)
- XNET: Network adapter card (one for each XPGA)
- TR04: Radio-modem 485 (optional, to be used only when cable connection is not possible. they need at least 2)

Available options

| <i>Model</i> | <i>Description</i> |
|----------------------------|---|
| XPGA | 16 zones alarm electrical panel |
| ----- <i>Options</i> ----- | |
| SX | Temperature probe (XPGA does not have probes supplied: any probes must be ordered separately, maximum 8) |
| HTAX | Slot for amperometric alarm detection with alarm contact (for single-phase fans) |
| USBP | USB IP65 external plug (to be mounted externally, for access to the USB without the need to access into XPGA) |
| XNET | Network nodal point |
| ULAN | Network server Pc (with USB connection) |
| TR04 | Radio-modem 485 (IP55 junction box with power supply 230/12v) |

XPGA multizone alarm



Dimension: 270x230x130mm (HxLxP)
Protection degree: IP54
Case material: PVC
Power supply: 100-240V 50/60Hz
Power consumption: 5W
Supplied with: CXP transparent cover that can be opened with a hinge.

Available options



SX



HTAX



ULAN



XNET



USBP



TR04

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40th

40 YEARS OF INNOVATION