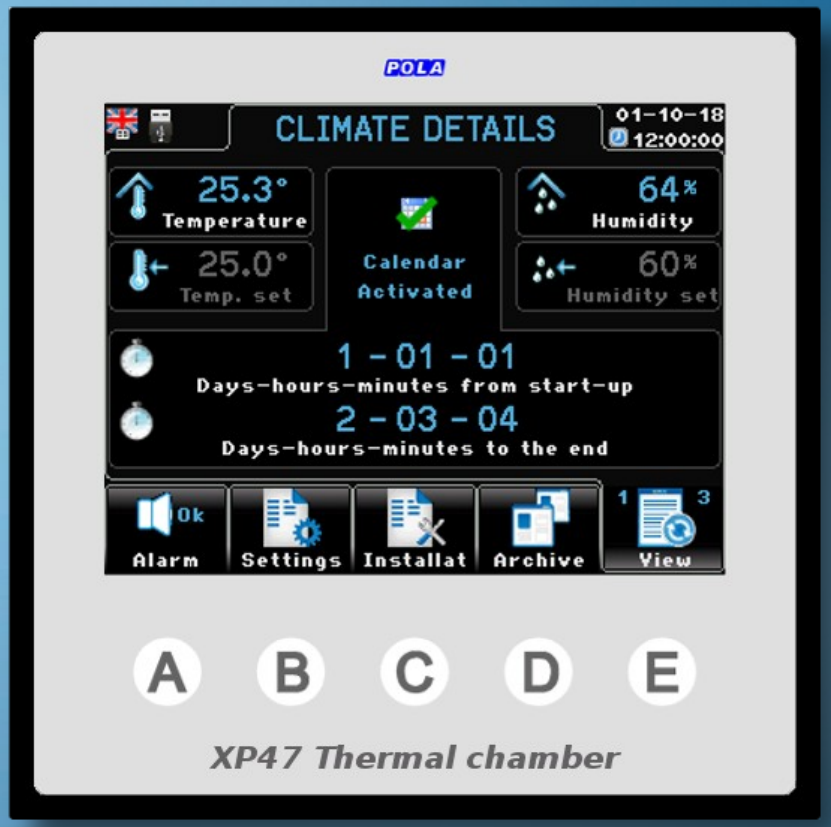
XP47 brochure

XP line
small size, great power



XP47 Thermal chamber

XP47 Camera termica

POLA

XP47
Thermal chamber

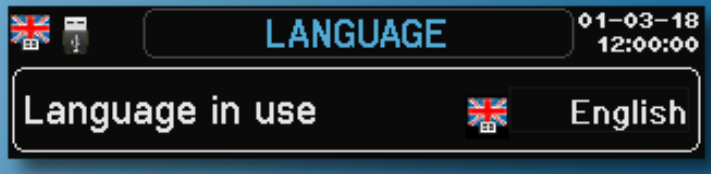
Main feature

The main feature of the **XP47** is the color display screen (3.5") with 320x240 dots resolution with led backlighting. **XP47** is made in DIN 96x96 format and the module dimensions are 96x96mm.

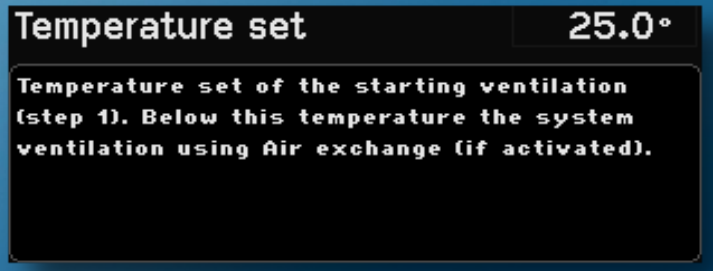
The user interface is easy and friendly.
The easy touch screen system gives both the typical "easy to use" approach of a touch screen system and the strength and mechanical protection of a polycarbonate IP54 keyboard.

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.

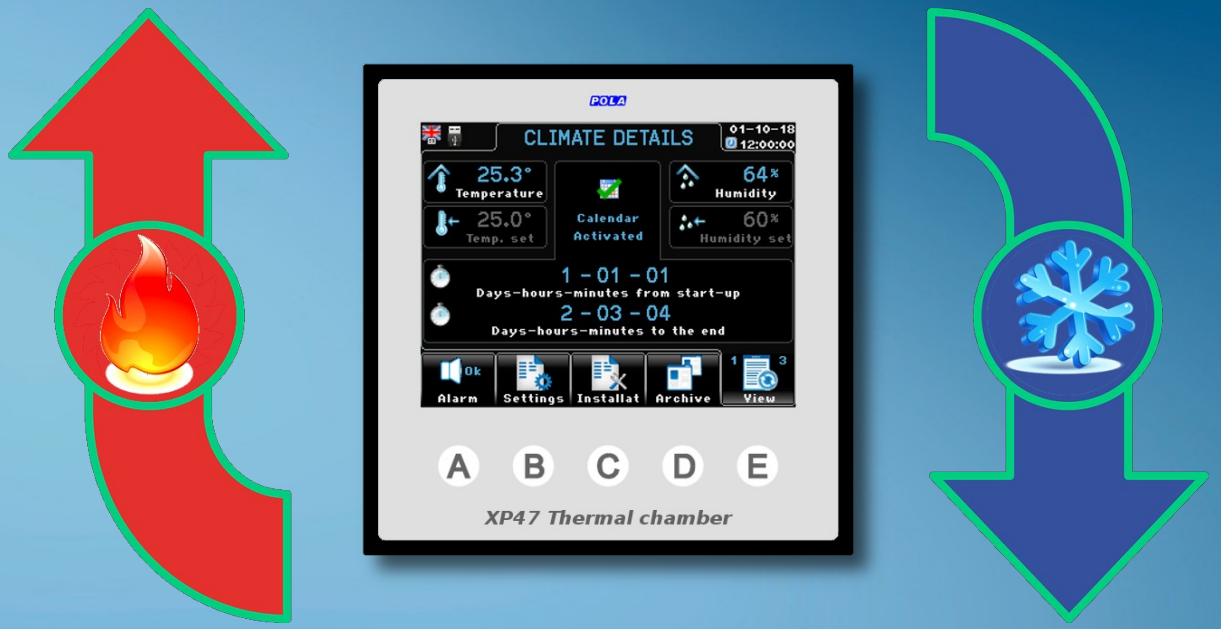


Each programming step has its own help screen so the program has a "built in" instruction manual.



XP47
Thermal chamber

Themal chamber control



XP47 realizes the temperature / humidity control of climatic cells (seasoning / thermal chambers, etc.).

The daily archive records the following parameters:

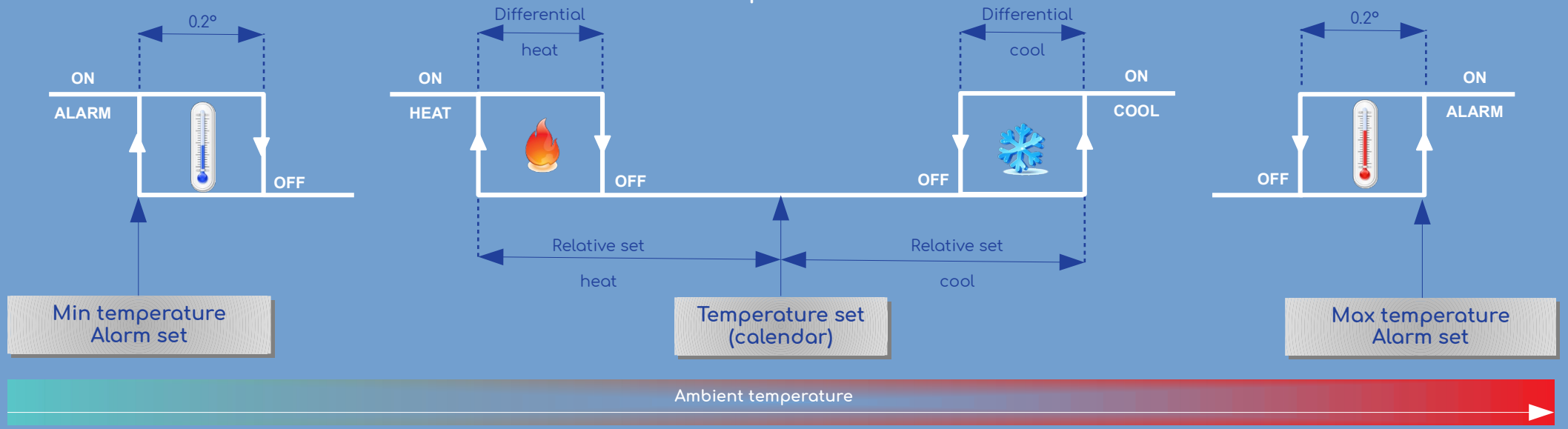
- Minimum-medium-maximum temperature
- % Minimum-average-maximum humidity

In addition, the total cycle operating times are memorized (heating, cooling, humidification, dehumidification, air changes).

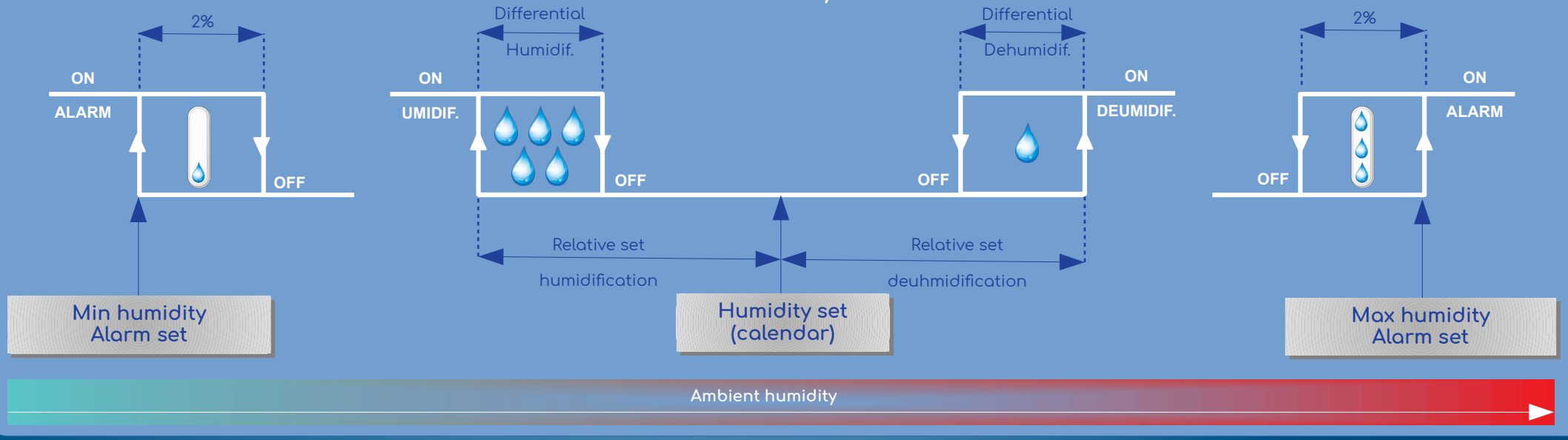
XP47
Thermal chamber

Operating diagrams

Temperature



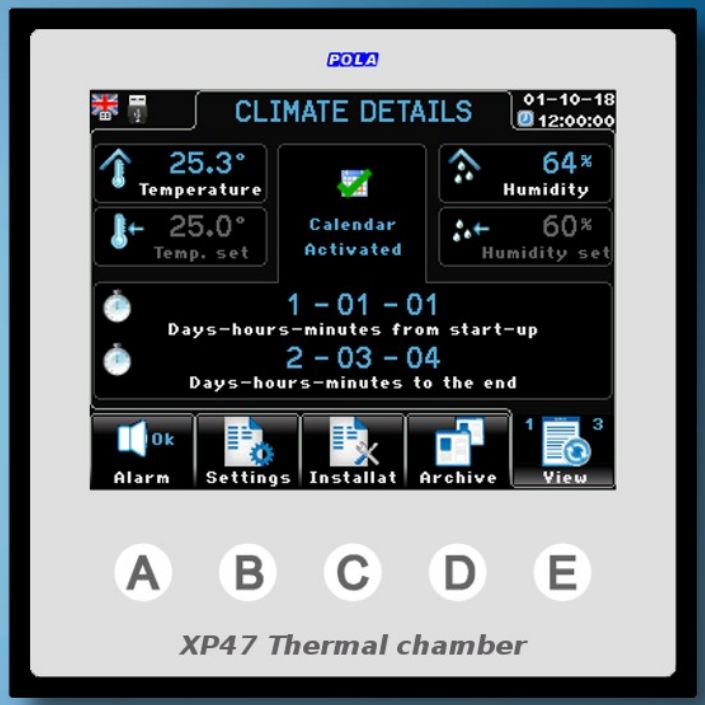
Humidity



Inputs and outputs

- Temperature probe
- Humidity probe
- Max heat probe

INPUTS



OUTPUTS

- Heating
- Cooling
- Humidification
- Dehumidification
- Ventilator / Air exchange (cycle)

- HDY6 outputs (optional slot)
  - Light
  - Timer
  - Aux.1
  - Aux.2
  - Alarm

Other available connections

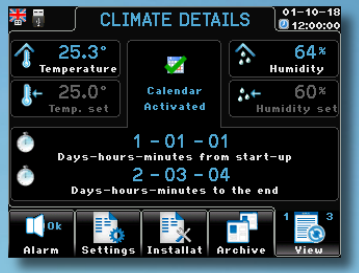
- **USB plug**
  XP47 has a USB plug on the back.
  When selecting the **USBP** option you can get a USB plug with a (IP65) protection cap externally mounted so you can access the USB without having to go to the back of the unit.

- **XNET**
  Network connection card (optional) for **XP47** processor (see remote supervision).

XP47
Thermal chamber

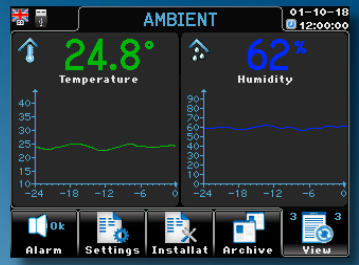
Sample screenshots

Viewing screens



Viewing operating condition

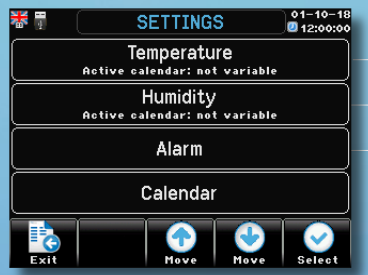
Viewing operating condition



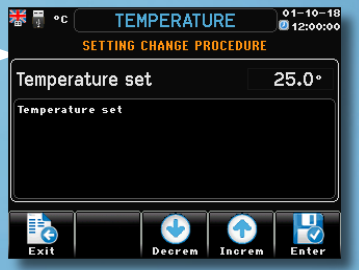
Viewing operating condition

Output state

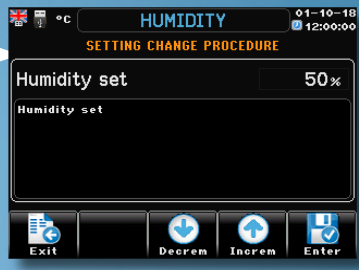
Settings screens



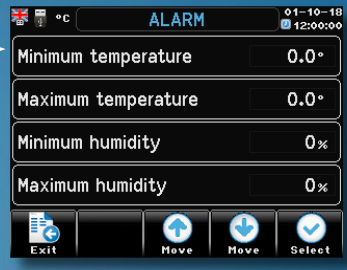
Settings selection



Temperature setting



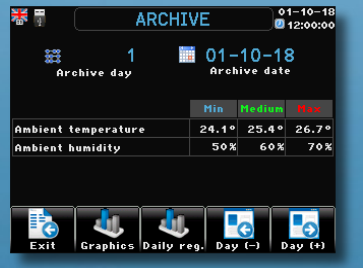
Humidity setting



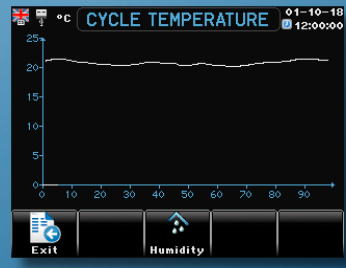
Alarm settings

Archive screen

Archives to display selection



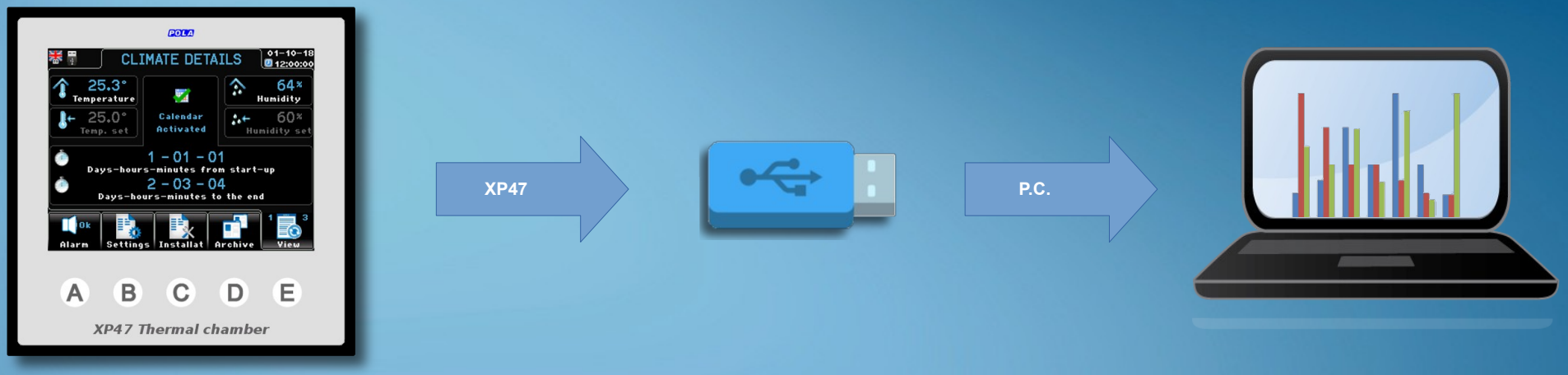
Cycle temperature archive



Cycle temperature chart

Total cycle archive

Data transfer



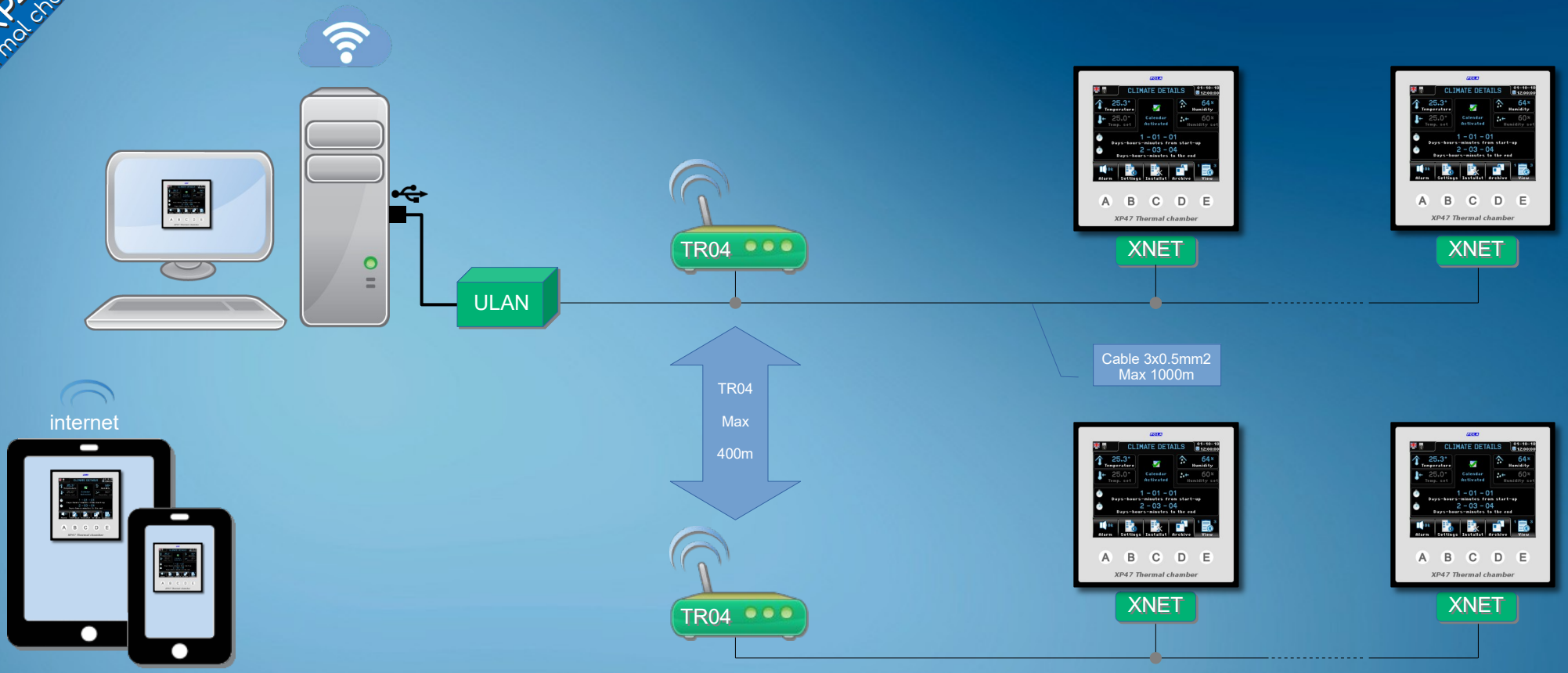
The communication with the outside world is performed by USB key.

- **Export archives**
  XP47 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 **XP47 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 **XP66** anytime by a user friendly procedure.

XP47
Thermal chamber

Remote supervision



Remote supervision of **XP47** processors grants the full management of system by PC.

The **XP47 Net Pro** supervision software enables the full remote control of network connected processors.
ULAN peripheral is connected to PC through a USB connection. **XP47 – ULAN** connection is done by a simple 3 wires cable.
In all cases where **ULAN** cannot be cabled to **XP46** 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 **XP47**)
- **TR04**: Radio-modem 485 (optional, to be used only when it is not possible to use the cable)

XP47
Thermal chamber

Available options

Model	*Description*
XP47	Thermal chamber control (DIN96 panel mounting)
---------- *Optionals* ----------	
SX	Temperature probe
SX1	Max. heat temperature probe
W01	IP54 box for wall mounting + gasket + transparent cover
USBP	USB IP65 external plug (to be mounted externally, for access to the USB without the need to access the back of the XP47)
HDY6	Relays extension slot
RHR	0...100% humidity probe
HA20s	Power pack for RHR
XNET	Network nodal point
ULAN	Network server Pc (with USB connection)
TR04	Radio-modem 485 (IP55 junction box with power supply 230/12v)

Images

XP47
Thermal chamber

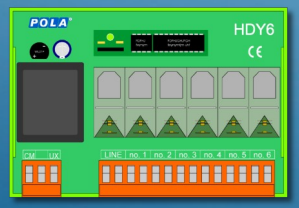
Available options

XP47 W01

SX

SX1

RHR



HDY6

HA20s

ULAN

XNET

USBP

TR04

POLA

www.pola.it

40th

40 YEARS OF INNOVATION

XP47 1.0 Brochure EN 181102