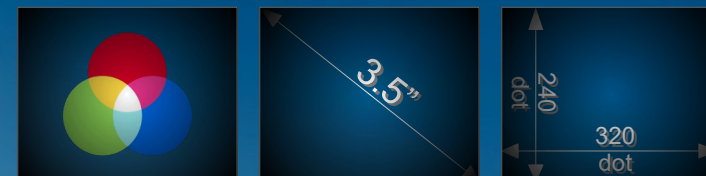




XPWF automatic water flushing control

Main feature

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

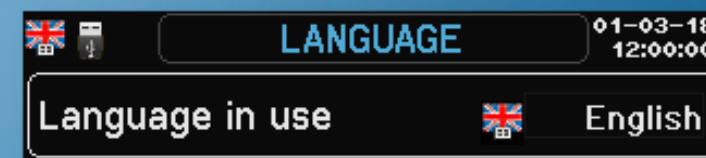


The user interface is easy and friendly. The easy touch screen system gives both the typical "easy to use" approach of a touch screen system and the strength and mechanical protection of a polycarbonate IP54 keyboard.

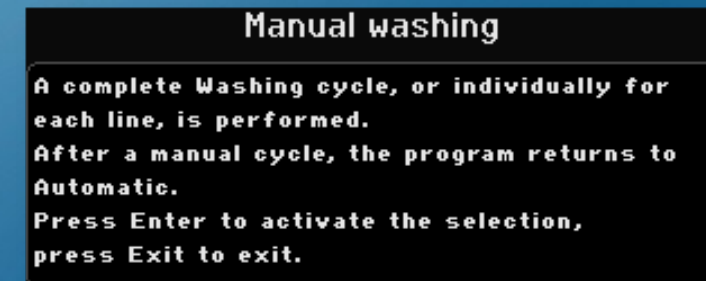
At every screen the function keys display a different graphic making the program very user friendly.



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.



Automatic control of the washing of the drinking lines



1	47	Washing for timetable					
Line Washing	Missing litres						
Lines state							
ON	OFF	OFF	EXC	OFF	OFF	OFF	OFF
01	02	03	04	05	06	07	08
OFF	OFF	OFF	OFF	OFF	EXC	OFF	OFF
09	10	11	12	13	14	15	16

XPWF manages the automatic control of the washing of the drinking lines (up to 16 lines)

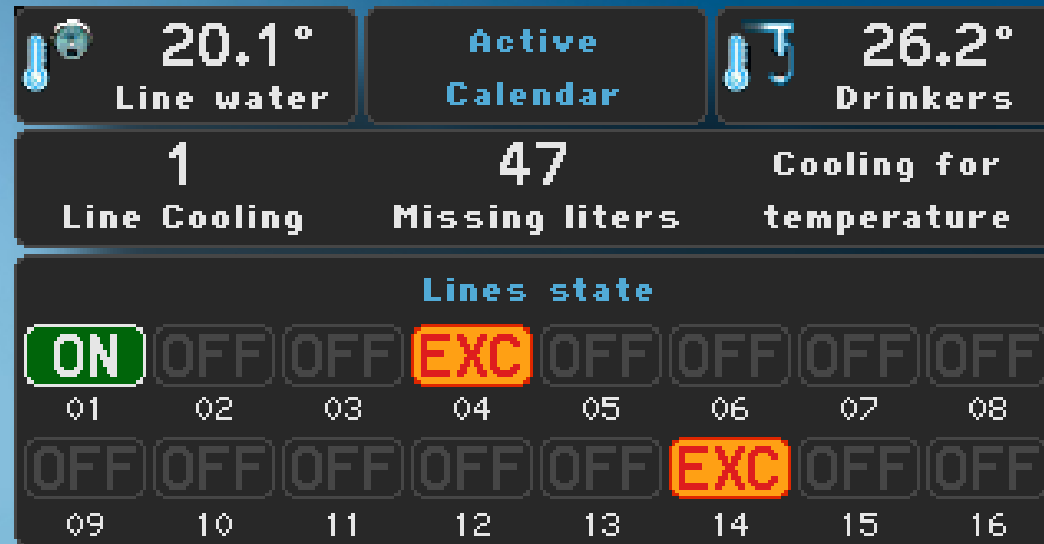
The Washing function keeps the water lines cleaned and is made by running the water with the line pressure during a pre-set period of time (or in quantities of liters if a water meter is installed) in the drinking lines.

Each line is washed separately (with washing times or quantities in liters independent for each line).

Washing can be activated in different ways:

- Automatic washing in sequence of all the lines for the time / liters programmed daily (even at alternate days). You can set calendar washes based on the day of life of the birds.
- Automatic washing in sequence after a medicated cycle.
- Automatic washing in sequence due to the intervention of a dirty water sensor.
- Manual washing in sequence of all the lines (or selective) for the programmed time / liters.

Automatic control of the water cooling of the drinking lines



XPWF manages the automatic control of the water cooling of the drinking lines (up to 16 lines)

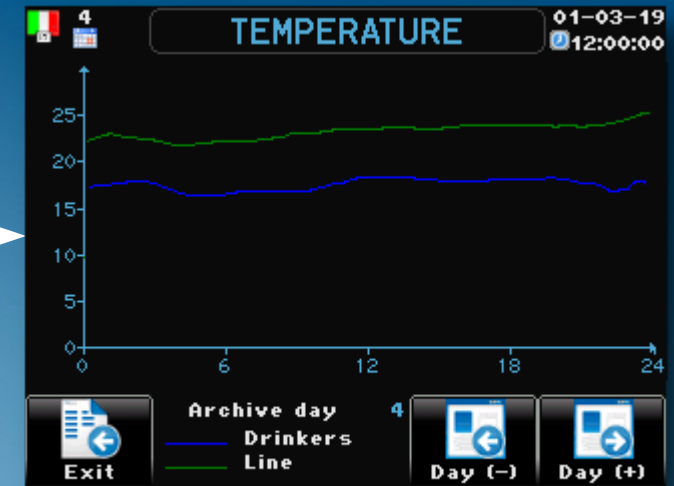
The Cooling water functions cools the drinking water and is carried out by running the water with the line pressure during a pre-set period of time (or in quantities of liters if a water meter is installed) in the drinking lines.

Each line is cooled separately (with cooling times or quantities in liters independent for each line).

Cooling water function can be activated in several ways:

- Automatic water cooling in sequence of all the lines for the time / liters programmed at the times of the day (typically are the times preceding the watering): if the water temperature probe is installed (probe N.1) the Cooling only start if the water temperature requires it, and if the supply water temperature probe (probe N.2) is installed, the Cooling starts only if the water temperature of the line is lower than that of the drinking lines (Delta T function) and can also be excluded if the line water is too cold (to avoid condensation effects on watering lines).
- Manual water cooling in sequence of all lines (or selective) for the programmed time / liters.

Archive



XPWF records all operations performed, consumption and temperatures

The daily archive records the following parameters:

- n° Washing by time
- n° Washing for medication
- n° Washing for dirty water sensor
- n° Cooling water by time
- n° Cooling water for medication
- n° Cooling water for temperature
- Water temperatures
- Total Liters / day
- Total Liters / cycle

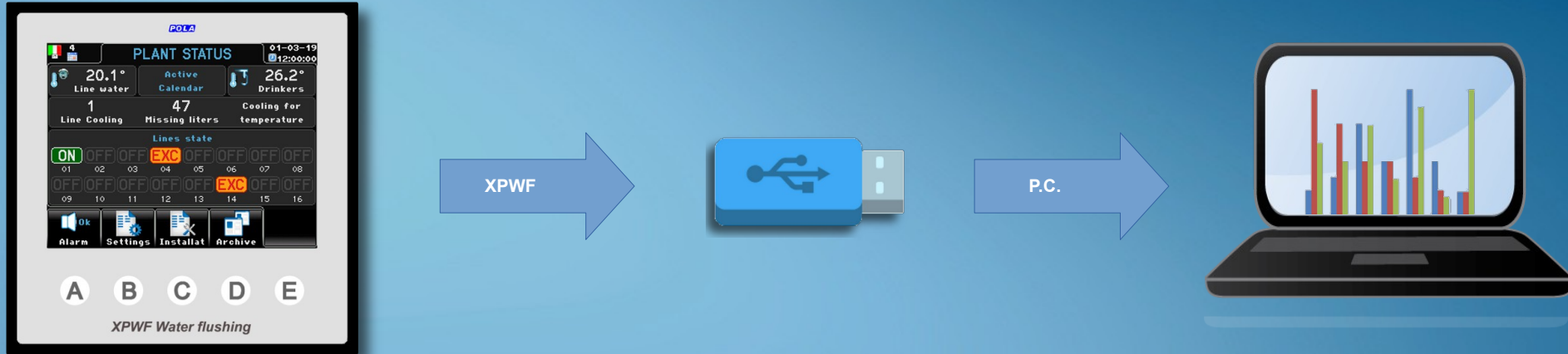
Inputs and outputs



Other available connections

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

Data transfer



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

→ **Export archives**

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

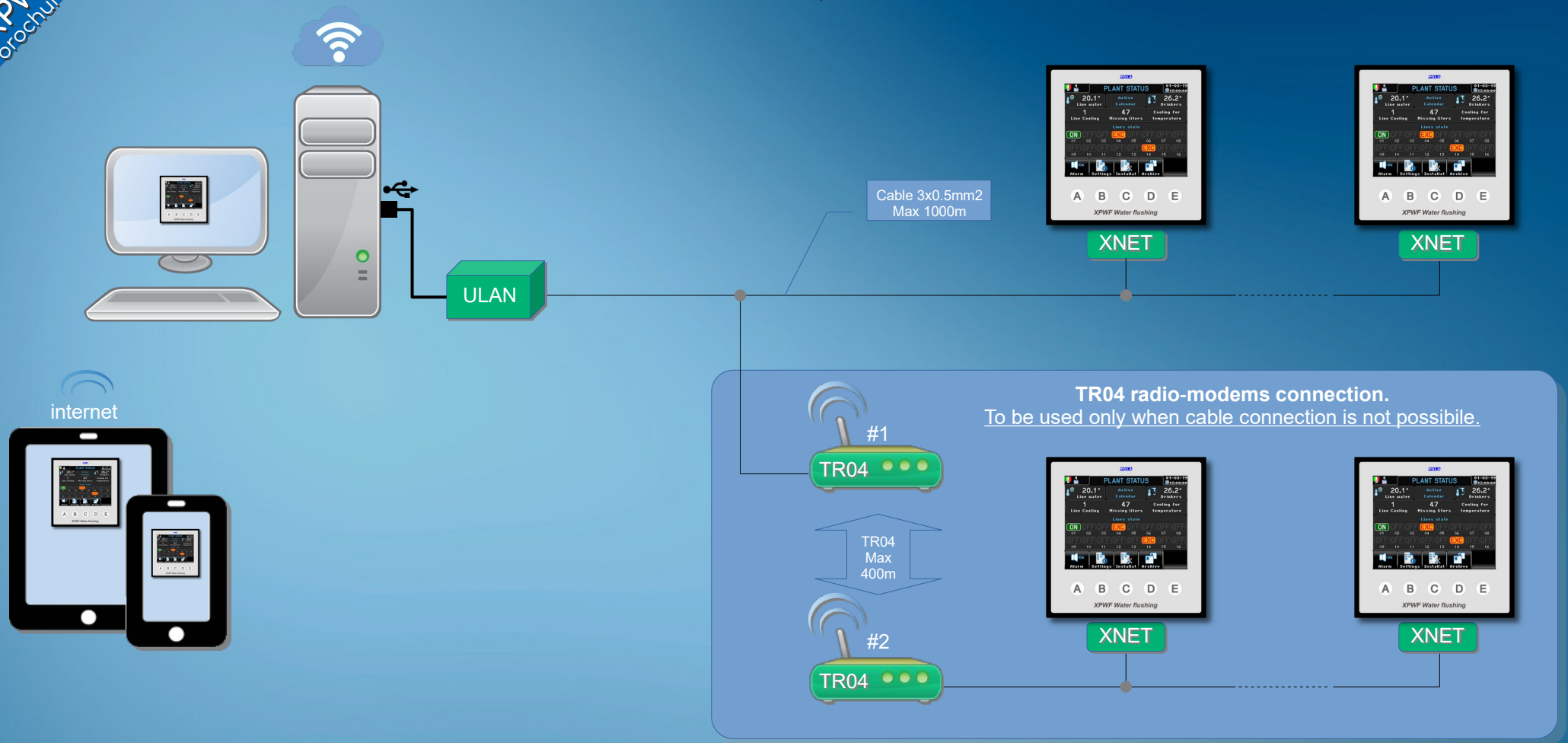
Connecting the USB key to a PC and by using the XPWF Dialogue software you can browse the recorded data in grid or graph formats.

→ **Importing / saving the setting**

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

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

Remote supervision



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

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

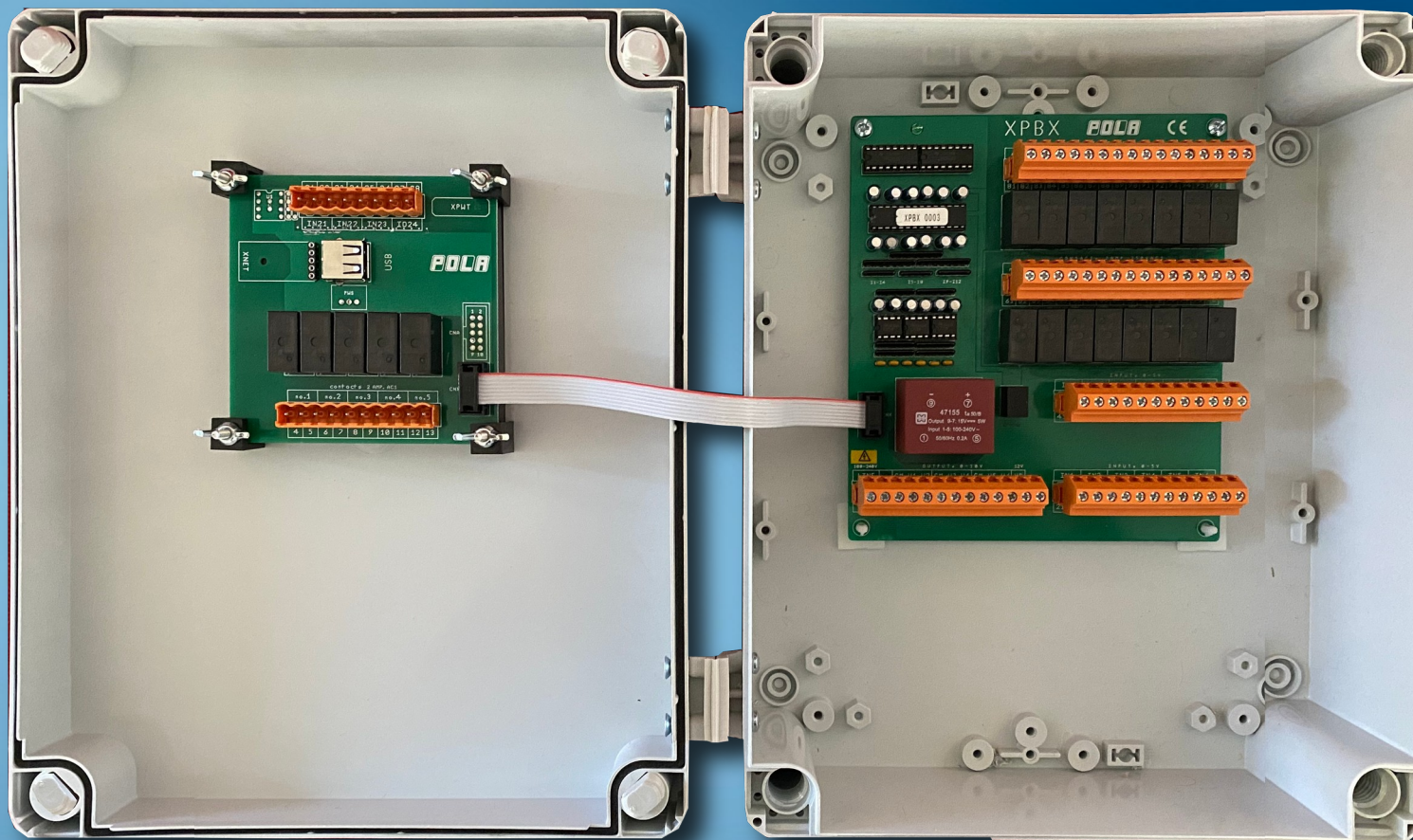
Components for creating a supervision system:

- ULAN: Network server Pc (with USB connection)
- XNET: Network adapter card (one for each XPWF)
- 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>
XPWF	Wall panel for water washing, watering lines for 16 zones (valve control output: N.O. contact)
----- <i>Options</i> -----	
HDR-30-24	Option for 24V d.c. valve control
TM-30-24	Option for 24V a.c. valve control
SXG3	1/8 "water temperature probe (one can be installed for water temps and one for water temperature)
CWD	Water counter
XNET	Network nodal point
ULAN	Network server Pc (with USB connection)
TR04	Radio-modem 485 (IP55 junction box with power supply 230/12v)

XPWF automatic water flushing control



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



CWD



SXG



ULAN



XNET



USBP



TR04

POLA

www.pola.it

40th

40 YEARS OF INNOVATION