XP line
small size, great power

POLA

PLANT STATUS

01-03-19
12:00:00

20.1° Line water	Active Calendar	26.2° Drinkers
1 Line Cooling	47 Missing liters	Cooling for temperature

Lines state

ON 01	OFF 02	OFF 03	EXC 04	OFF 05	OFF 06	OFF 07	OFF 08
OFF 09	OFF 10	OFF 11	OFF 12	OFF 13	EXC 14	OFF 15	OFF 16

Ok Alarm	Settings	Installat	Archive

Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ

XP64 Water flushing

XP64 automatic water flushing control
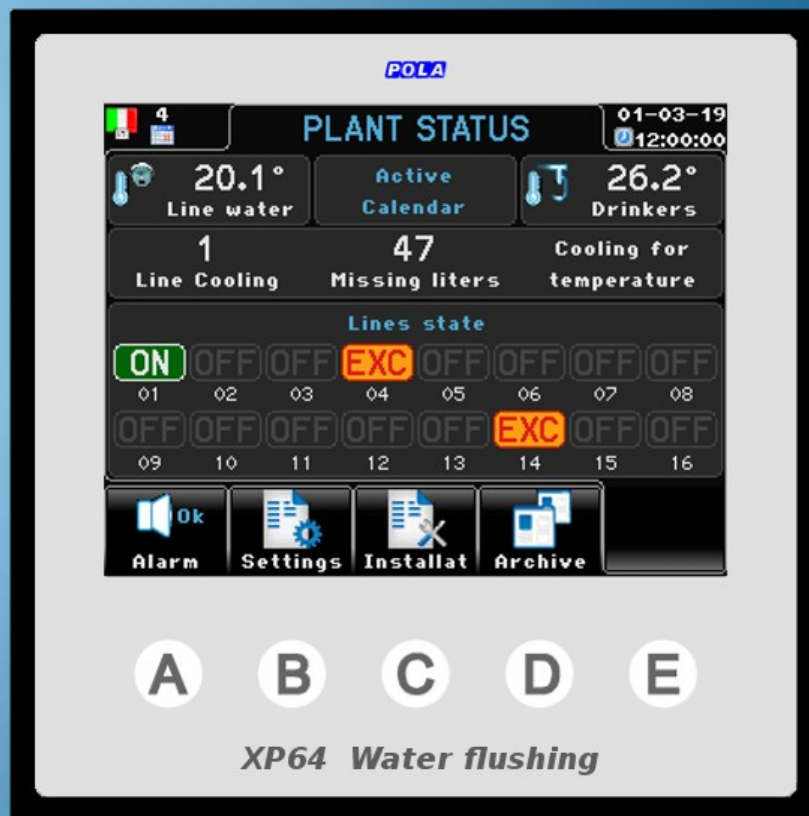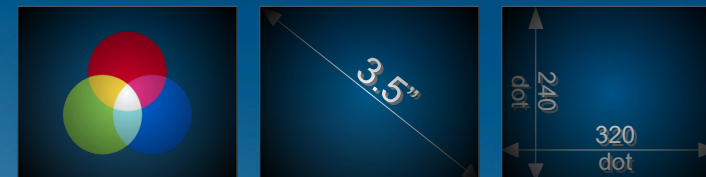
Main feature

The main feature of the XP64 is the color display screen (3.5") with 320x240 dots resolution with led backlighting. **XP64** is made in DIN 96x96 format and the module dimensions are 96x96mm.
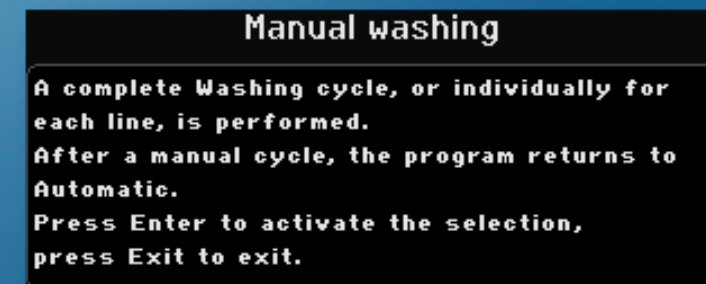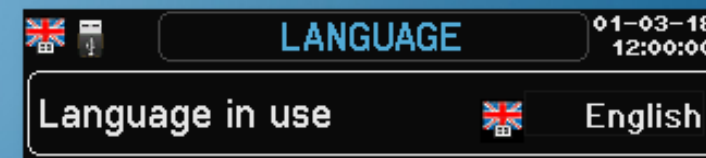

The user interface is easy and friendly.
The easy touch screen system gives both the typical "easy to use" approach of a touch screen system and the strength and mechanical protection of a polycarbonate IP54 keyboard.

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.

XP64
water flushing

1	47	Washing for
Line Washing	Missing litres	timetable

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

PLANT STATUS

20.1° Active Calendar 26.2
Liter water   Breakers

1   47   Washing for
Line Cooling Missing liter timetable

Liters state

ON   EXC

EXC

Alarm Settings Install Archive

A B C D E

XP64 Water flushing

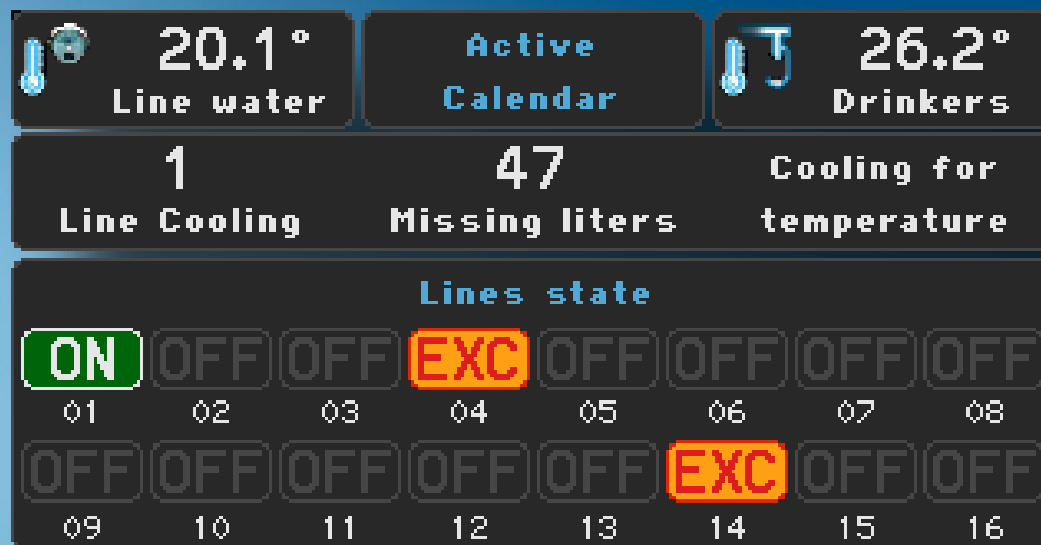# XP64 manages the automatic control of the washing of the drinking lines (up to 16 lines)

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

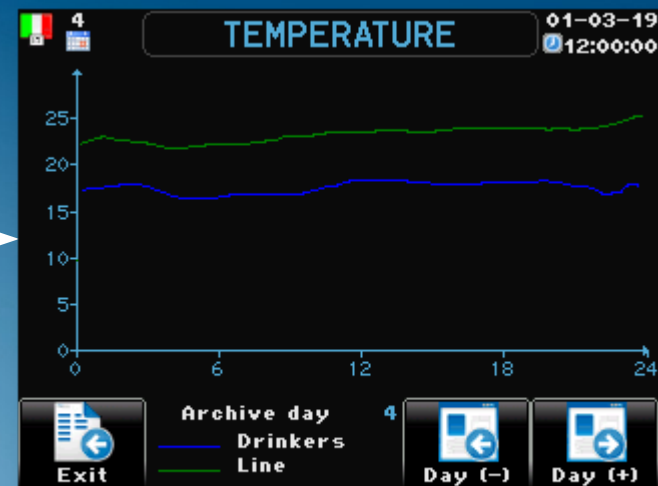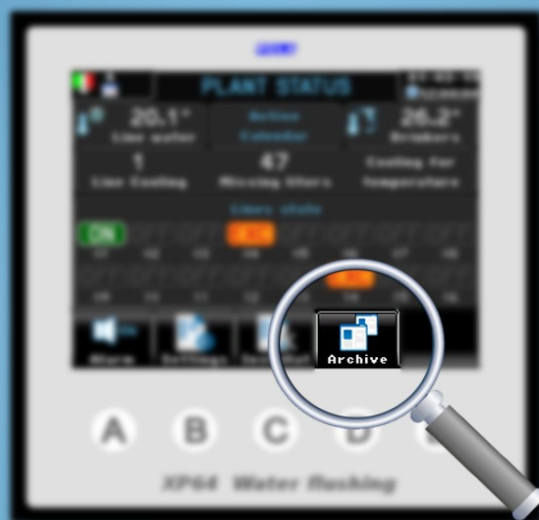## XP64 manages the automatic control of the water cooling of the drinking lines (up to 16 lines)

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

XP64 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
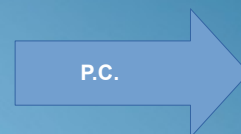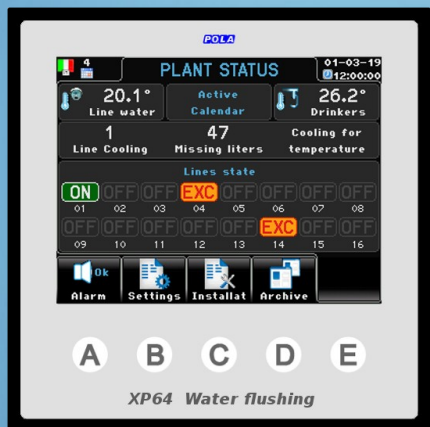- Total Liters / day
- Total Liters / cycle

Inputs and outputs

INPUTS

- Water temperature probe for drinking water (option)
- Water temperature probe for line water (option)
- Water-counter (option)
- Medicated signal in function for wash / cooling block

OUTPUTS

- Drinking troughs 1-2-3-4-5
- HDY6 #1 outputs (optional module)
- Drinking troughs 6-7-8-9-10-Bypass
- HDY6 #2 outputs (optional module)
- Drinking troughs 11-12-13-14-15-16/Alarm

Other available connections

→ **USB plug**
XP64 has a USB plug on the back.

→ **XNET**
Network connection card (optional) for **XP64** processor (see remote supervision).

Data transfer

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

➔ **Export archives**
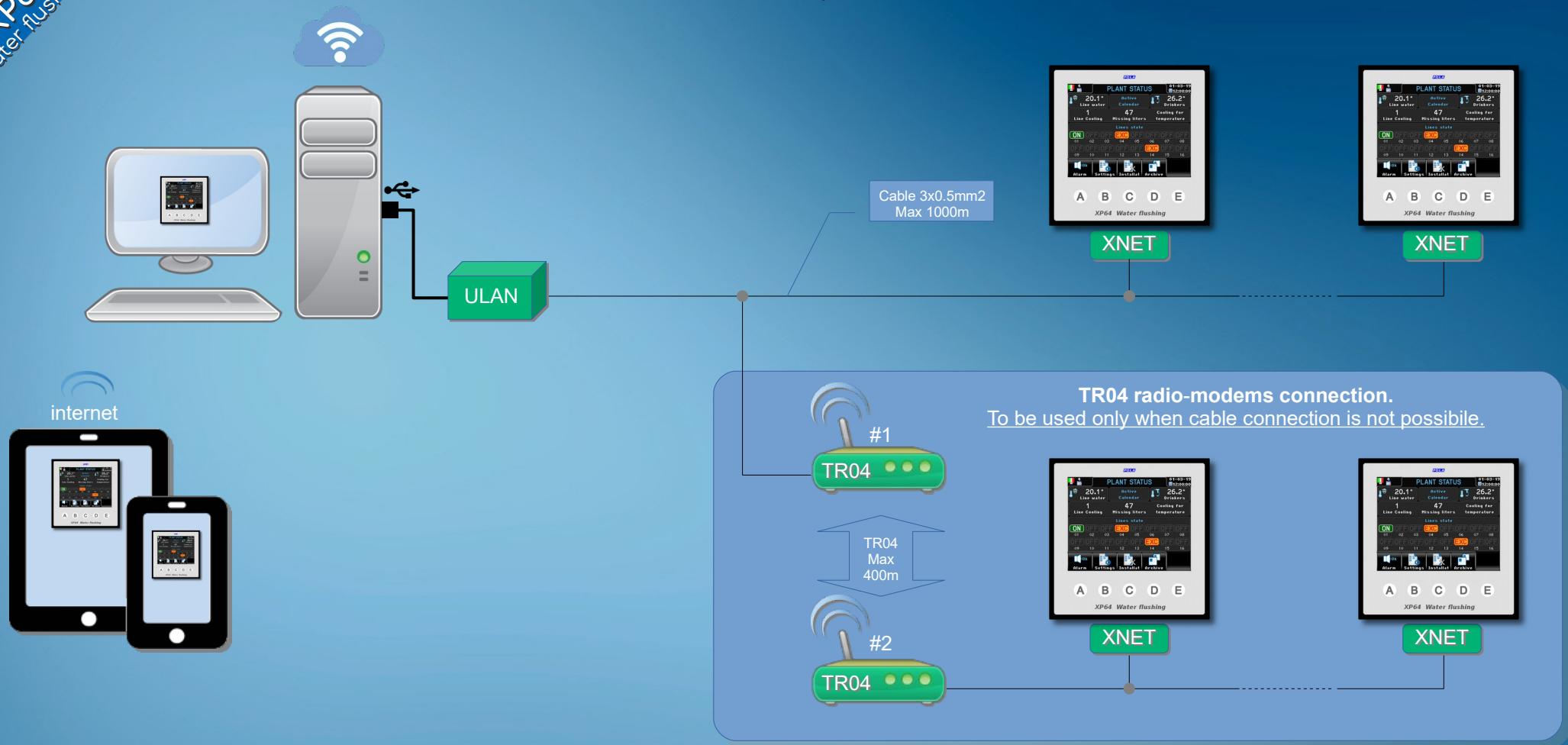XP64 save in the USB memory a file containing all the day by day recorded data of the cycle.
Connecting the USB key to a PC and by using the XP64 **Dialogue** software you can browse the recorded data in grid or graph formats.

➔ **Importing / saving the setting**
You can save a file with all back-up infos on a USB file.
Saved settings can be uploaded on **XP64** anytime by a user friendly procedure.

Remote supervision

XP64 water flushing

Cable 3x0.5mm2
Max 1000m

XNET

XNET

TR04 radio-modems connection.
To be used only when cable connection is not possibile.

#1

TR04

TR04
Max
400m

#2

TR04

XNET

XNET

internet

Remote supervision of **XP64** processors grants the full management of system by PC.

The XP64 **Net Pro** supervision software enables the full remote control of network connected processors.
ULAN peripheral is connected to PC through a USB connection. XP64 – ULAN connection is done by a simple 3 wires cable.
In all cases where **ULAN** cannot be cabled to XP64 we can supply **TR04** radio-modems with a reach of 400 mt.
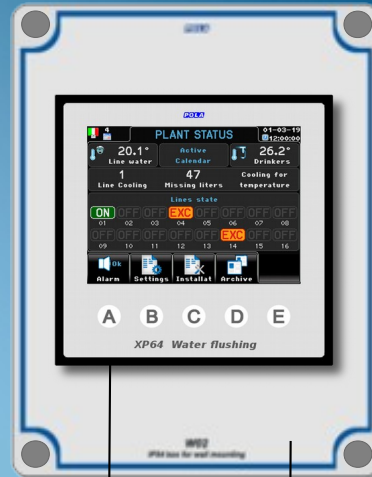
Components for creating a supervision system:

➜ **ULAN**: Network server Pc (with USB connection)
➜ **XNET**: Network adapter card (one for each XP64)
➜ **TR04**: Radio-modem 485 (optional, to be used <u>only when cable connection is not possibile.</u> they need at least 2)

Available options

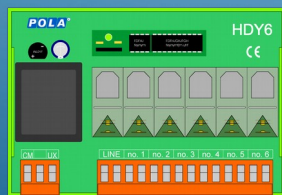| Modello	Descrizione
XP64	Automatic water flushing module which already includes 5 valve controls and sensor inputs.
	-- Options --
W01	IP54 box for wall mounting + gasket + transparent cover
HDY6	Relay output extension HDY6 N.1 (option from 6 to 10 valves) HDY6 N.2 (option from 11 to 16 valves)
USBP	USB IP65 external plug (to be mounted externally, for access to the USB without the need to access the back of the XP64)
SXG3	1/8 "water temperature probe (one can be installed for water temps and one for water temperature)
CWD	Water counter
EV1	Solenoid valve 24V a.c. with 1" connection
XNET	Network nodal point
ULAN	Network server Pc (with USB connection)
TR04	Radio-modem 485 (IP55 junction box with power supply 230/12v)

Available options

XP64   W01

CWD

SXG3

EV1

HDY6

ULAN

XNET

USBP

TR04

POLA
www.pola.it

40th
40 YEARS OF INNOVATION