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Home It's the main reference screenshot of XP73

tempo desinfez. 1:00
With Automatic time calculation=Yes the Disinfection time appears

TRUCK DISINFECTANT 01-01-13 17:03:59

temperature 23.3°
Activation time yes
remaining time 2:06

temperat. block no
disinfectant present
system cleaning disabled

disinfection cycle in progress
program state

Alarm Settings Installat Archive

If activated
If activated

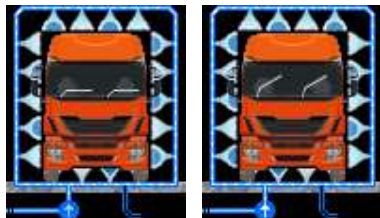
In the central part of the Home screen appears the graphic based on the status of the program:



System ready waiting for disinfection cycle



Exit (without disinfection)



Disinfection cycle in progress
(the two images alternate to give dynamics to the action)

System without air valve for system cleaning:



Delay in the discharge of water



Water discharge in progress

Air valve system for system cleaning:



The air valve is open and the drain valve closed for the delay time



The air valve is open and the drain valve is open

A. Alarm

The icon displayed on top of **A** key gives the situation of the alarm.



No alarm is running now. Alarm is anyway enabled.



Alarm is running now: one or more alarms are activated.



Alarm silenced (but ready to start again in case of new alarm conditions).



Internal battery voltage failure.

Warning: in this case proper functioning of program is not sure.



Max 8 alarms are simultaneously displayed (for the complete list [Archive > Alarms](#)).

B

C

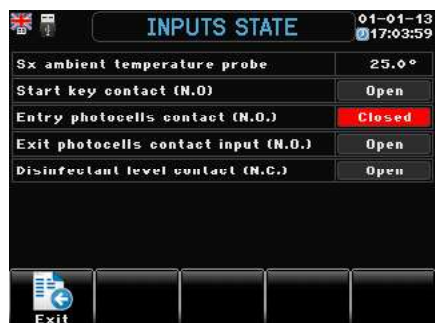
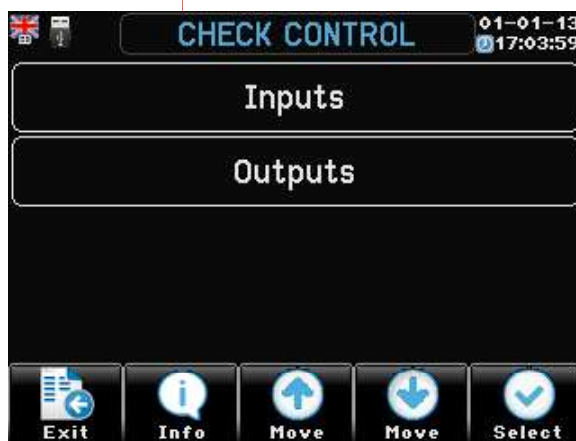
D

E

Alarm state

To reactivate the current alarm

To silence the current alarm

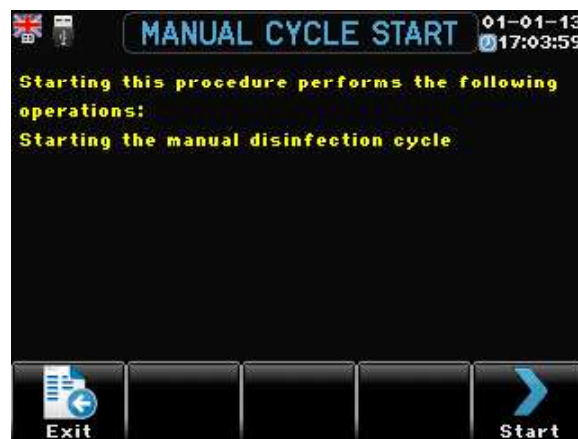


B. Settings *Home>(B)*

All the end-user parameter settings which are related to the system functioning are in this section.



Manual cycle start-up *Home>(B)>(E)*



Cycle timing *Home>(B)>(D)>(E)*



Range: 0:00'...3:00'...15:00'

Activation time *Home>(B)>2x(D)>(E)*

You can program up to **2** daily meals.

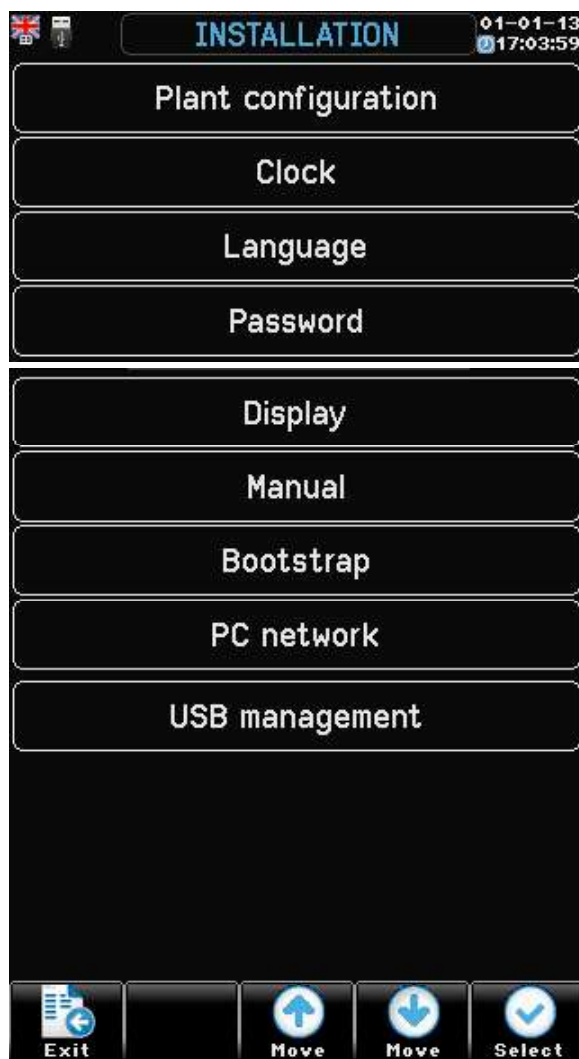


Counters reset *Home>(B)>3x(D)>(E)*

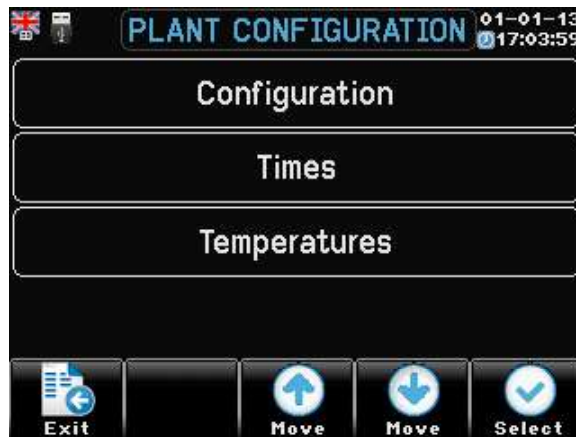


The zeroing only concerns the environment archive.

C. Installation *Home>©*



Plant configuration *Home>C>E*



Configuration *Home>C>2x(E)*

<i>Photocells</i> (Range: No...Yes)	Presence of photocells. No = not present, Yes = present
<i>Start key presence</i> (Range: No...Yes)	Presence of Start key. No = not present, Yes = present
<i>Air valve</i> (Range: No...Yes)	Presence of Cleaning air valve. No = not present, Yes = present
<i>Bar</i> (Range: No...Yes)	Presence of bar. No = not present, Yes = present
<i>Disinfection level sensor</i> (Range: No...Yes)	Presence of disinfect minimum level sensor. No = not present, Yes = present
<i>Automatic time calculation</i> (Range: No...Yes)	Active only in presence of entrance photocells: No= the disinfection time is the one programmed in Settings> Cycle timing. Yes= the disinfection time is calculated based on the detection of the start/end of the vehicle passage detected by the entrance photocell. When the photo-cell gives the end of passage signal, a delay time is activated (see Times> End of passage delay) before ending the disinfection. This delay ensures the space between tractor and trailer is covered (without the disinfection being completed) as well as delaying the disinfection stop when the final part of the vehicle releases the input photocell signal. Anyway, the time programmed in Settings> Cycle timing, that intervenes in the event of a faulty entry photocell stopping disinfection and activating the alarm, remains always active.

Times Home > (C) > (E) > (D) > (E)

Bar lift delay (Range: 0 ^m .00 ^s ...0 ^m .30 ^s ...3 ^m .00 ^s)	Bar lift delay time (minutes:seconds)
On bar (Range: 0 ^m .00 ^s ...0 ^m .01 ^s ...3 ^m .00 ^s)	On time bar (minutes:seconds)
On drain valve (Range: 0 ^m .00 ^s ...0 ^m .30 ^s ...3 ^m .00 ^s)	On drain valve time (minutes:seconds)
Discharge delay (Range: 0 ^m .00 ^s ...0 ^m .10 ^s ...3 ^m .00 ^s)	Discharge delay times (minutes:seconds)
Load delay (Range: 0 ^m .00 ^s ...0 ^m .01 ^s ...3 ^m .00 ^s)	Load delay times (minutes:seconds)
Entry delay (Range: 0 ^m .00 ^s ...5 ^m .00 ^s ...60 ^m .00 ^s)	Delay times (minutes:seconds) enabling entry/disinfection after intervention of a signal from the truck exit (from photocell or button).
Exit delay (Range: 0 ^m .00 ^s ...5 ^m .00 ^s ...60 ^m .00 ^s)	Delay times (minutes:seconds) exclusion of the truck exit signal after an entry/disinfection start signal.
End crossing delay (Range: 0 ^m .00 ^s ...0 ^m .10 ^s ...1 ^m .00 ^s)	Delay time (minutes:seconds) end of disinfection when the final part of the vehicle releases the entry photocell signal. Active only with <i>Automatic time calculation = Yes</i> (see <i>Plant Configuration</i>). This delay ensures the space between tractor and trailer is covered (without the disinfection being completed) as well as delaying the disinfection stop when the final part of the vehicle releases the input photocell signal. Anyway, the time programmed in <i>Settings > Cycle timing</i> , that intervenes in the event of a faulty entry photocell stopping disinfection and activating the alarm, remains always active.

Temperatures Home > (C) > (E) > 2x(D) > (E)

Air cleaning temperature (Range: -10.0°...0.0°...40.0°)	Air cleaning start-up temperature: if the air solenoid valve is present, a cleaning cycle will be performed below this temperature before the discharge phase.
Stop temperature (Range: -30.0°...50.0°)	Temperature at which disinfection operation stops.

Clock Home>Ⓒ>Ⓓ>Ⓔ

<i>Minutes</i>	Minutes setting.
<i>Hours</i>	Hour setting.
<i>Day of the week</i>	Day of the current week setting.
<i>Day of the month</i>	Day of the current month setting.
<i>Month</i>	Month setting.
<i>Year</i>	Year setting.

Language Home>Ⓒ>2xⒹ>Ⓔ

Language in use You can change the displayed language.

Password Home>Ⓒ>3xⒹ>Ⓔ

Settings password
Installation password

NOTE: trying to access a password-protected area displays the following message:
 The password (5 digit) is no longer required as long as moving inside the programming group.
 Passwords at start-up is set by default as **00000** (password not used).

**Display** Home>Ⓒ>4xⒹ>Ⓔ

<i>Title bar</i> (Range: Invisible...Short...Long)	Title bar
<i>Display brightness</i> (Range: 0%... 100%)	Display brightness
<i>Minimum brightness</i> (Range: 0%... 20% ...50%)	Display brightness after <i>Waiting time</i> (time is calculated from the last time one key was hit).
<i>Waiting time</i>	After this time (from the last time one key was hit) the display fades brightness down to the % preset value in <i>Minimum brightness</i> .

Manual *Home>C>5xD>E*

Manual Testing procedure of outputs. This procedure is required to operate manually the relays exits so the controlbox functioning can be tested.

<i>Pump</i>	Hand working of relay. When quitting the procedure, the relay automatically goes back to OFF.
<i>Load valve</i>	Hand working of relay. When quitting the procedure, the relay automatically goes back to OFF.
<i>Air valve</i>	Hand working of relay. When quitting the procedure, the relay automatically goes back to OFF.
<i>Bar</i>	Hand working of relay. When quitting the procedure, the relay automatically goes back to OFF..

Attention: when quitting the procedure, the relay automatically goes back to OFF.

Bootstrap *Home>C>6xD>E*

Procedura di bootstrap.

The 'bootstrap' procedure resets all the setting in the **XP73** back to those as originally set at the factory.



⚠ ATTENTION: the 'bootstrap' procedure will delete all the settings, made by the user, since the XP73 was installed.
To bootstrap XP73 the manufacturer activation code is required.

Rete PC *Home>C>7xD>E*

485 node element **⚠** Nodal number of this processor in the PC 485 network.
Warning: do not use same number of two different processors!

D USB management *Home>C>12x(D)>E*



- Ⓒ *Archive* Export. Archives can be read on PC by using the **XP73 Dialogue** support software.
- Ⓓ *Sets >* Export. All **XP73** SETS (settings) are recorded **(make sure to do it after the system testing at start up so you have a complete configuration back-up)**. You can then transfer all setting to another **XP73** unit (or in case of unit replacement the original settings can be reloaded).
- Ⓔ *Sets <* Import. If SETS were previously recorded (see previous point) the back SETS can be selectively uploaded as following:



Data transfer

Communication with external world is by USB pen drive. The main programming parameters, the archive downloads and software updates can be made by PC connection via the USB pen drive.



D. Archive *Home>D*



Ambient *Home>D>E*

In this archive are recorded the daily values of climate conditions.

	Min	Medium	Max
Temperature	21.7°	0.0°	28.4°

Entry with disinfection cycle	2
Entry without disinfection cycle	1

The **Medium** values refer to the average weighted values recorded every **15 min**.

Alarm *Home>2xD>E*

Here are displayed the last 64 alarm interventions: each alarm shows recording time and date.

With:

Automatic time calculation = Yes it intervenes if the Cycle timing is exceeded

Alarm type	Date	Hour
Temperature probe failure	15-01-18	10:54
Minimum temperature	15-01-18	10:54
Disinfectant level	15-01-18	10:54
Faulty or dirty photocell	15-01-18	10:54

Events Home>3x(D)>(E)

Here are displayed the last 64 event interventions: each alarm shows recording time and date.

EVENTS ARCHIVE			01-01-13
Event type	Date	Hour	17:03:59
Power restored	15-01-18	10:54	
Power failure	15-01-18	10:54	
Update procedure	15-01-18	10:54	

Exit Page 1 of 8 Up page Down page

Entry Home>4x(D)>(E)

ENTRY / EXIT				01-01-13
Entry		Date	Hour	17:03:59
Disinfection cycle	15	15-01-18	10:54	
Without disinfect. cycle	15	15-01-18	10:54	
Exit		15-01-18	10:54	

Exit Page 1 of 8 Up page Down page

User manuals and support software Home>5x(D)>(E)

By this Qr Code it is possible to access a support web page where you'll get:

- > User manuals.
- > The **XP Dialogue** web service.

By **XP Dialogue** you can view the data and graphs of the archives as exported via USB key.



Connection



This symbol indicates safety-related parts.



This symbol indicates a danger to people.



The installation and the connection of the **XP73** must be realized in strict compliance to the local laws and regulations in use in the country of installation and by well trained personnel only. Read carefully the installation manual before performing the use and installation of the **XP73**.



Install the **XP73** in a dry place, clean and easily accessible.

When water cleaning, don't splash the box with water and keep the electronic module always clean. Insert the module in a 90x90mm slot and fix it to the back using the 4 plastic posts and the 4 thumb screws supplied.

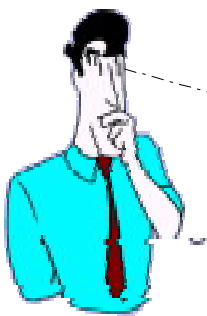
In the unlikely event of replacement due to a fault in the **XP73**, cut off the supply voltage, then remove the connection connectors, unscrew the 4 wing screws on the back of the module, remove the fixing columns and remove the module from the front.



Check periodically the functionality of the module. Unit break down might happen suddenly!

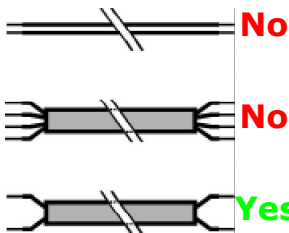


Keep voltage off before making any operation on the system; always provide the system with a suitable automatic switch or disconnecter on the primary side of the mains supply.



Put the **XP73** on a wall lower level than the operator eyes. This is the best location. Keep it in a dry and safe place.

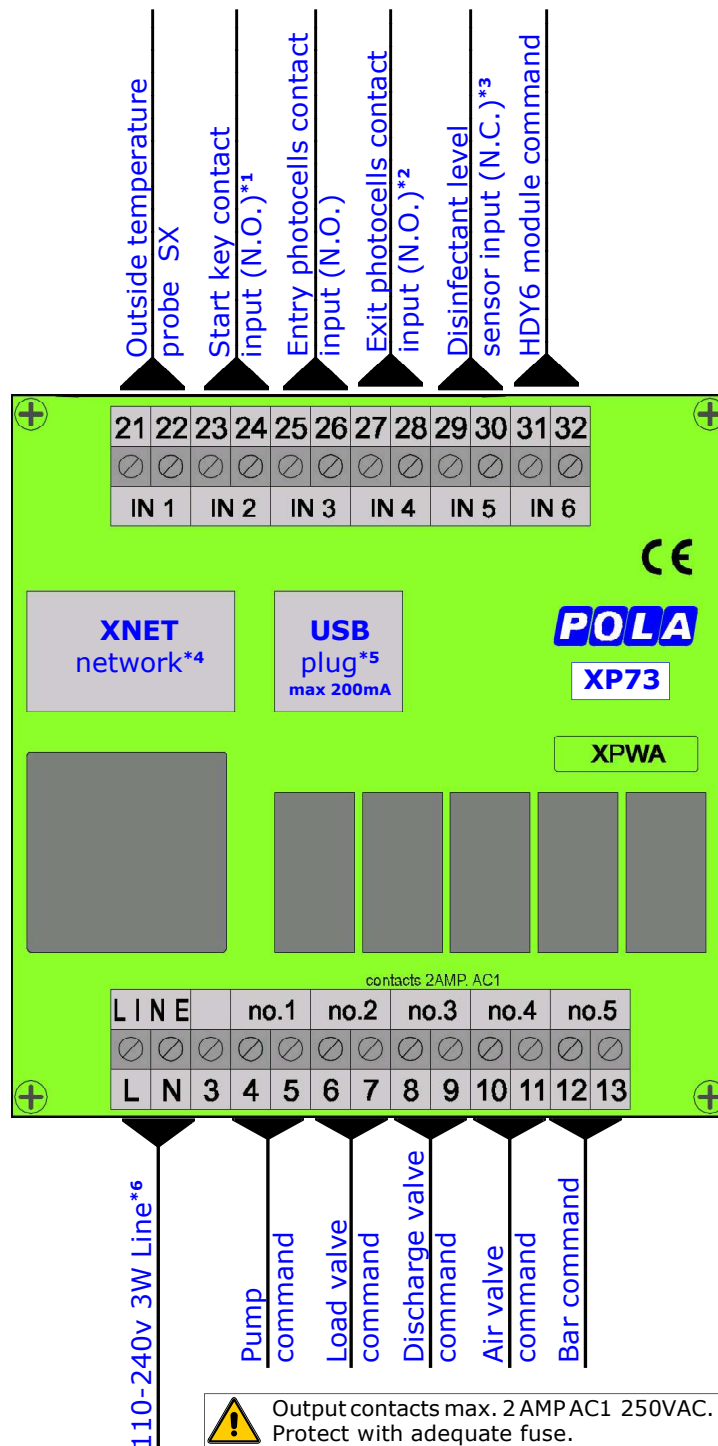
Connection of inputs:



To connect the inputs use two- wire cable 0,5 mm² section. Don't use one-polar wire or multi-wires cables for the connection of more sensors!

XP73 connection

To connect the inputs use two-wire cable 0,5 mm² section.



*¹ 3 seconds after starting the cycle, you can stop the cycle by pressing the start button again.

*² This input can receive the command both from the output Photocell and from the Exit button.

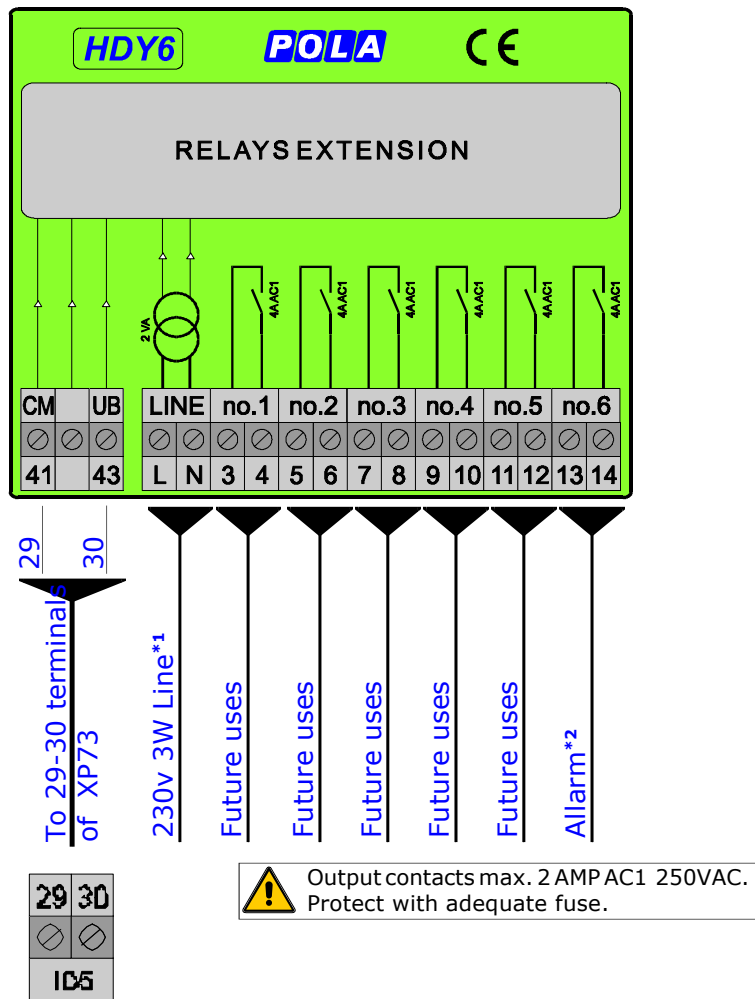
*³ Sensor with clean contact N.C. (opens for minimum level signal).

*⁴ Optional.

*⁵ **XP73** 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.

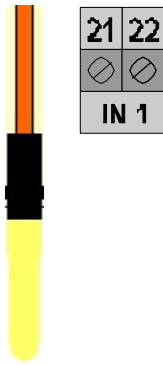
*⁶ Always provide the system with a suitable automatic switch or disconnecter on the primary side of the mains supply.

HDY6 connection relays extension (optional)



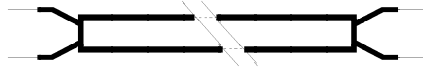
- *1 Always provide the system with a suitable automatic switch or disconnector on the primary side of the mains supply.
- *2 Alarm contact that open for intervention alarm or for black-out.

SX temperature probe connection



Connection

To connect the **SX** probes and the **XP73** use two- wire cable 0,5 mm² section. Set the maximum attention to the connection (isolate and seal carefully the connections).



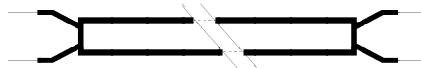
Don't use one-polar wire or multi-wires cables for the connection of more sensors!

External contacts/inputs connection



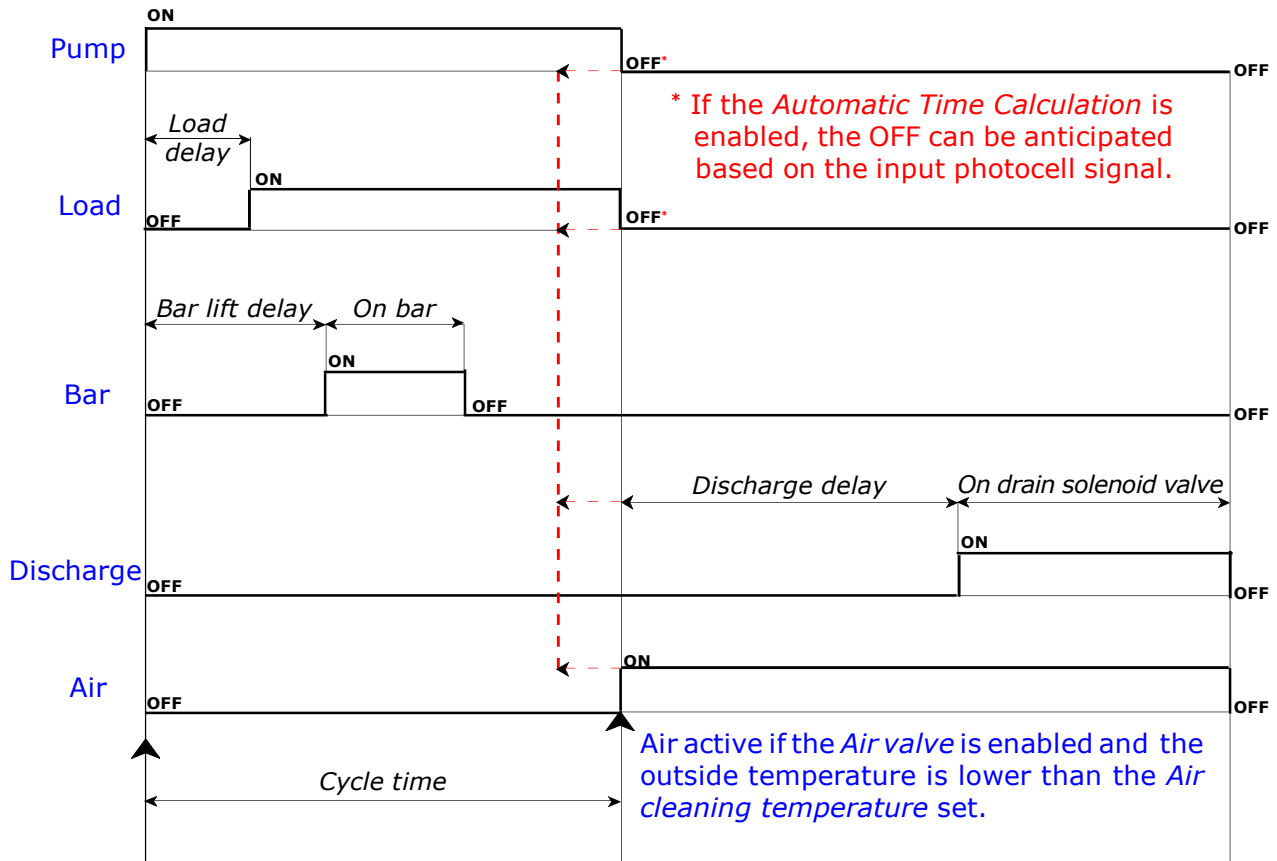
Connection

To connect the external contacts/input signal and the **XP73** use two- wire cable 0,5 mm² section. Set the maximum attention to the connection (isolate and seal carefully the connections).



Don't use one-polar wire or multi-wires cables for the connection of more sensors!

Outside temperature is higher than *Stop temperature*



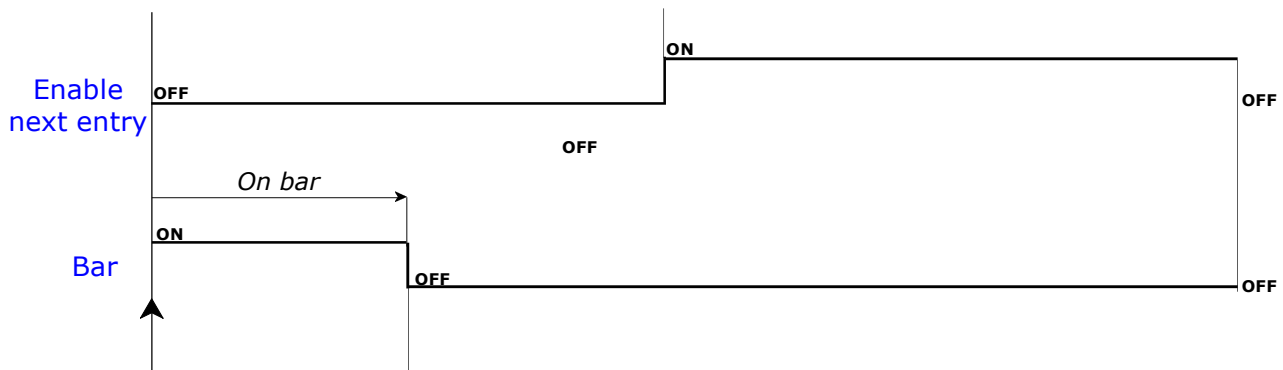
Start

Procedure start by Photocell, by Button, or by Manual Start.

Automatic Stop

Or second shot of Start key (active 3 seconds after start-up).

Event register



Exit

da Fotocellula Uscita, oppure da Pulsante Uscita

Exit register



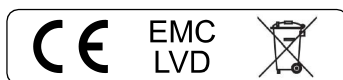
Outside temperature is lower than *Stop temperature*

The bar is raised and no other operation is performed.

Note:

In case of intervention of the minimum level sensor, the alarm is triggered and the program (if it is performing the Disinfection) goes to the Drain, otherwise it does not start.

In the event of a power failure (black-out), when the line goes back the program restarts from where it was left off.



XP73	
Power supply	
Line voltage	110-240Vac
Frequency	50/60Hz
Power consumption	3W
Case	
Case material	ABS
Dimensions	96x96x53mm
Weight	Kg 0,25
Protection degree	IP54
Temperature range	
Operational (maximum altitude 2000mt)	-10...50°C
Storage	-40...+80°C
Relative humidity	<95%, uncondensed



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