



Made in Italy

MINIPANEL

CONTROL PANEL FOR THE MANAGEMENT OF BOOSTER SETS

It allows you to adjust the cut-in and cut-out pressure of the pumps.

Allows alternating [Duty/stand-by] and/or simultaneous [Duty/Assist] operation of the pumps.

It guarantees the alternation of starting of the pumps at each outlet opening.

Protects pumps from dry running and excessive absorption.

It is equipped for the connection of an electric safety float and a remote contact.

It is equipped with a stainless steel 16 bar pressure sensor.

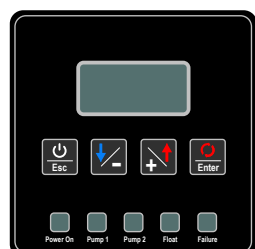
It can also be used to manage a single pump.

TECHNICAL FEATURES

	Single-phase		Three-phase	
	M2HP	M3HP	T4HP	T5.5HP
Mains voltage	115/230 Vac	115/230 Vac	400 Vac	400 Vac
Acceptable voltage fluctuation	+/- 10%	+/- 10%	+/- 10%	+/- 10%
Frequency	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
Current max	10 A	16 A	8 A	10 A
Power max for each pump	1,5 kW - 2 HP	2,2 kW - 3 HP	3 kW - 4 HP	4 kW - 5,5 HP
Protection degree	IP 65	IP 65	IP 65	IP 65
Operating temperature max	60 °C	60 °C	60 °C	60 °C
Certifications	CE - TUV	CE - TUV	CE - TUV	CE - TUV
Overall dimensions	205x170x53 mm	205x170x53 mm	350x250x150 mm	350x250x150 mm

CONTROL AND SETTING PANEL

Setting up and starting the device is extremely easy and intuitive thanks to the large and bright LCD display that shows all the information, and the keyboard that allows you to quickly enter and change the operating parameters of the pump.



To start and stop the unit, exit the programming or return to the previous/initial screen



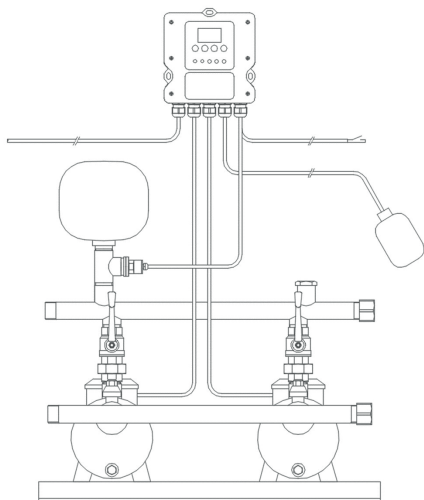
To scroll through the screens and in programming to change the operating parameters of the system.



To confirm the changes to the operating parameters and, in the event of a failure, perform a manual system reset.

Note: The display after 2 minutes of inactivity goes into power saving mode, to restart it press any key.

INSTALLATION AND STARTUP



Use the three slots on the sides and top of the device to attach it to the wall, on the plate of a booster-set or hang it.

Connect the pumps and pressure sensor [or pressure switches] to the device.

Energize the unit, set the operating pressures and select the desired working mode.

OPERATION

The device starts and stops the pump [or pumps] depending on the opening and closing of the outlet.

The device can work with different operating modes:

- Single pump: When used with a single pump.
- Two pumps set Duty/Stand-by mode: The pumps alternate at each start but never work simultaneously.
- Two pumps set Duty/Assist mode: The pumps alternate at each start and work simultaneously when necessary.
- Two pumps set Pump 1 or 2 only mode: Only the pump selected by the user works.

PUMPS ALTERNATION DURING CONTINUOUS OPERATION

If, for any reason, one or more pumps are working continuously, in order to guarantee uniform wear of the pumps, every sixty minutes of continuous operation of a pump a forced exchange will be made with stand-by pump.

The changeover respects the alternating sequence of all the pumps.

AUTOMATIC RESTARTS

In case of stopping due to a water shortage, the device will automatically make 10 double attempts to rearm over the 24 hours following the failure, each lasting approximately 5 seconds to allow the pump and the system to reload if possible.

The user can try to rearm the device at any time by pressing the Restart button.

ANTI-JAMMING FUNCTION

If for any reason the pump remains idle for 24 consecutive hours, the device will start the pump for about 5 seconds.

RAPID-CYCLING FUNCTION

The device allows you to set the maximum number of starts per hour of the pumps.

If the number of set starts is exceeded, the device will signal the fault without interrupting the water supply.

ANTI-FLOODING FUNCTION

The device is equipped with an adjustable timer that allows to set a maximum continuous running time of the pump.

This function is useful in the event of a pipe rupture, if the set time is reached the device will stop the pump signaling the anomaly.

RWS - RAIN WATER SYSTEM

Enable the RWS function for the management of rainwater harvesting systems where the float connected to the device is positioned in the rainwater harvesting tank and, depending on the water level, controls the pump's suction solenoid valve to switch to the use of mains water or vice versa.

SPECIAL VERSIONS

> THERMO

- Version equipped with a temperature sensor to start the pumps according to the set temperature. It can work for both cooling and heating. Can be integrated with the Timer version.

> TIMER

- Version equipped with a programmable weekly clock. Allows up to 4 different daily starts to be set for each day of the week.