



Made in Italy

LOGICBOARD

ON BOARD INVERTER

Varies the number of motor revolutions of the pump depending to the water withdrawal from the system in order to maintain constant pressure and flow rate.

Allows to adjust the system pressure and the restart pump pressure.

Stops the pump in case of water shortage and protects it from dry running.

Equipped with automatic reset in case of failure and anti-jamming function.

Ensures energy saving.

Standarly supplied with stainless steel pressure sensor.

TECHNICAL FEATURES

	M6	M11	T9
Mains voltage	230 Vac	230 Vac	400 Vac
Acceptable voltage fluctuation	+/- 10%	+/- 10%	+/- 10%
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Current max	6 A	11 A	9 A
Power max	1,1 kW - 1,5 HP (3~ 230 V)	2,2 kW - 3 HP (3~ 230 V)	3 kW - 4 HP
Protection degree	IP 55	IP 55	IP 55
Operating temperature max	60 °C	60 °C	60 °C
Overall dimensions	140x210x110 mm - 1,6 Kg	172x238x108 mm - 2,5 kg	172x238x108 mm - 2,5 kg



CONTROL PANEL

Setting up and starting the device is easy and intuitive thanks to the large and bright color 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 save energy, the display turns off one minute after the last operation.

To turn the display back on, simply press any button on the keypad.

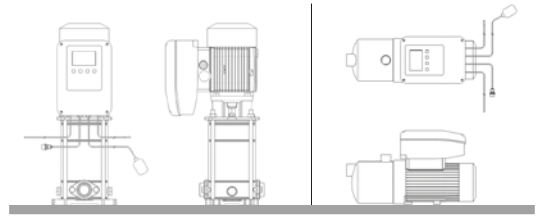
INSTALLATION AND STARTUP

Install the device directly on the motor.

Connect the supplied pressure sensor, make electrical connections and energize.

Provide the use of an expansion tank sized on the hydraulic characteristics of the system.

Follow the instructions on the screen of the device to start the pump.



OPERATION

The device starts and stops the pumps depending on the opening and closing of the outlets.

The device can operate in different operating modes:

- **RESIDENTIAL** Standard operation. Ideal for domestic installations and booster sets.
- **FIX SPEED** Allows to set up a fix speed operation of the pump.
- **RWS (Rain Water System)** Allows to drive the RWS valve to change from rain water to mains supply.

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

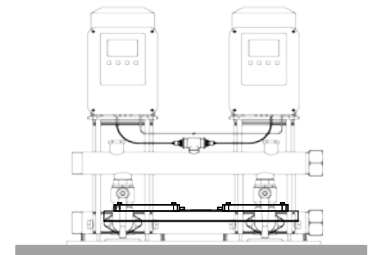
If for any reason the pump remains idle for 24 consecutive hours, the device will start the pump for about 5 seconds.

BOOSTER SETS

INSTALLATION AND STARTUP

Connect the devices together using the serial ports.

Program the device selected as Master and the slaves following the instructions on the display.



OPERATION

The device starts and stops the pumps according to the opening and closing of the outlets.

It is possible operate the device in different operating modes:

- **Duty/Assist:** The pumps alternate at each start and work simultaneously when needed.
- **Duty/Stand-by:** The pumps alternate at each start but never work at the same time.
- **Only pump 1 o 2:** 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 another pump on stand-by.

The changeover respects the alternating sequence of all the devices.

VARIABLE MASTER

In case of malfunctioning of the Master device, the system will transfer the operation to the Slave device immediately following the Master. If the original Master device has been reset, it will automatically be reintegrated into the system.

AUTOMATIC RESTARTS E ANTI-JAMMING FUNCTION

For details refer to the paragraph above.

OPTIONALS

- MODBUS Connection for external remote communication module.
- BLUETOOTH Bluetooth module.
- SND SENSOR Operating with temperature or pressure differential.
- WALL FIX Wall mounting bracket.
- Alarm panel.