

LOGICTWIN

WALL MOUNTED INVERTER FOR BOOSTER SETS

Equipped with 2 inverters each dedicated to a single pump of the booster set.

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 regulate the system pressure and the restart pump pressure.

Stops the pumps in case of water shortage and protects them from dry running.

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

Ensures energy saving.

Standardly supplied with a stainless steel pressure sensor.

TECHNICAL FEATURES

	TWIN M11
Mains voltage	230 Vac
Acceptable voltage fluctuation	+/- 10%
Frequency	50/60 Hz
Current max	11 A
Power max for each single-phase pump	1,5 kW - 2 HP
Power max for each three-phase pump	1,5 kW - 2 HP (3~230 V)
Protection degree	IP 65
Operating temperature max	60°C
Overall dimensions	200x275x125 mm - 8 Kg



CONTROL PANEL

The device is equipped with latest generation Touch Screen display.
Thanks to the larger and higher resolution screen, reading the parameters and managing all the functions of the device are further simplified.
Simply touch the screen to start/stop the pumps or to carry out any further operation.
The display turns off two minutes after the last operation. To turn the display back on, simply touch the display.

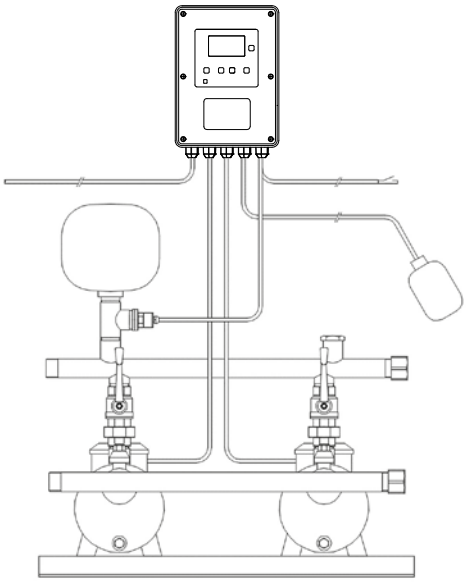
INSTALLATION AND STARTUP

Install the device directly on the booster set or on the wall.

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

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

Follow the instructions on the display 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:

- **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 stand-by pump.

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.

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.

OPTIONALS

- MODBUS Connection for external remote communication module.
- Alarm panel.