



# CATALOGUE

Ed.4.0





**PRESSCONTROL WALL 04**  
Wall mounted inverter

**PRESSCONTROL BOARD 08**  
On board inverter

**PRESSCONTROL BOARD POOL 10**  
On board inverter for swimming pool pumps

**PRESSCONTROL TWIN 12**  
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**MINIPANEL 14**  
wall mounted panel for booster sets

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Flowswitch



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# PRESSCONTROL WALL / WALL PRO

## WALL MOUNTED INVERTER

- The M version can control single-phase pumps or 230V three-phase pumps.
- Can be wall-mounted or installed directly on the pipe system [M and T series].
- 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 pump in case of water shortage and protects it from dry running.
- Equipped with automatic restart in case of failure and anti-jamming function.
- Ensures energy saving.
- Can be installed on surface and submersible pumps.
- Standardly supplied with stainless steel pressure sensor.

## CONTROL PANEL

Setting up and starting the Presscontrol Wall is easy and intuitive thanks to the large and bright LCD display that shows the information and the keyboard that allows 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.

The LEDs indicating the main phases of the device's operation remain always lit to allow the user to always have the status of the system under control.

### Data transmission with NFC technology.

Download our APP Trevitech from Google play or App store and place the mobile phone near the icon NFC to transfer the information from the inverter to your smartphone.



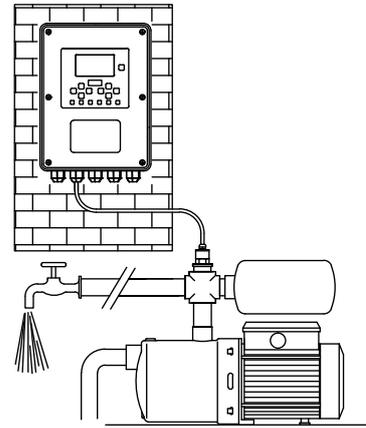
## INSTALLATION AND START-UP

Install the device on the wall or directly on the system pipe.

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 screen of the device to start the pump.



## OPERATING MODE

The Presscontrol Wall has three selectable operating modes:

### RESIDENTIAL

Standard operation. Ideal for domestic installations pressure booster sets.

### IRRIGATION

Allows to set 3 different operating and restart pressures of the pump. Ideal for residential, public irrigation and agriculture.

### SWIMMING POOL/INDUSTRY

Allows to set up to 3 different fixed pump operating speeds. Ideal for residential, public swimming pools and industry.

## 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 START-UP

Connect the devices together using the serial ports.

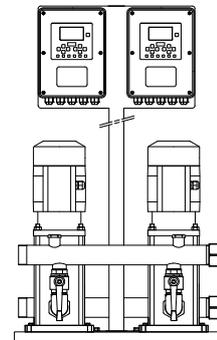
Program the device selected as Master and the slaves following the instructions on the display.

### OPERATION

Connect the devices together using the serial ports.

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

- **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 or 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

- Alarm panel.

## TECHNICAL FEATURES

## PRESSCONTROL WALL

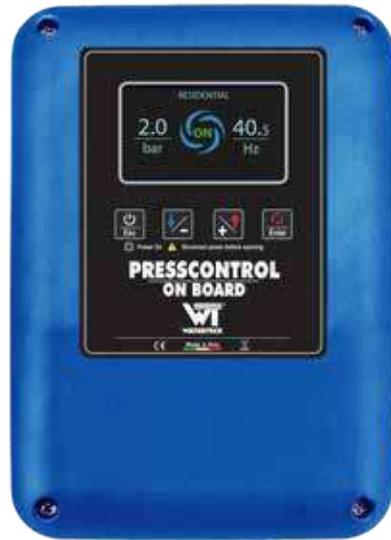
MODELS	SINGLE-PHASE / SINGLE-PHASE THREE-PHASE			THREE-PHASE /
	M 8,5	M 11	M 13	T 6
Mains voltage	1 ~ 230 Vac	1 ~ 230 Vac	1 ~ 230 Vac	3 ~ 400 Vac
Acceptable voltage fluctuations	+/- 15%	+/- 15%	+/- 15%	+/- 15%
Frequency [automatic recognition]	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Single-phase pump motor	1 ~ 230 V	1 ~ 230 V	1 ~ 230 V	-
Three-phase pump motor	3 ~ 230 V Δ	3 ~ 230 V Δ	3 ~ 230 V Δ	3 ~ 400 V Y
Maximum pump motor current	8,5 A	11 A	13 A	6 A
Maximum single-phase pump motor power	1,1 kW - 1,5 HP	1,5 kW - 2 HP	2,2 kW - 3 HP	-
Maximum three-phase pump motor power	1,9 kW - 2,5 HP	2,2 kW - 3 HP	3 kW - 4 HP	2,2 kW - 3 HP
Motor soft start	Yes	Yes	Yes	Yes
Motor cable length up to 80 m	Yes	Yes	Yes	Yes
Maximum operating pressure	362 psi	362 psi	362 psi	362 psi
Adjustable system pressure	29 ÷ 362 psi	29 ÷ 362 psi	29 ÷ 362 psi	29 ÷ 362 psi
Adjustable restart pressure	14,5 ÷ 348 psi	14,5 ÷ 348 psi	14,5 ÷ 348 psi	14,5 ÷ 348 psi
Adjustable minimum flow	Yes	Yes	Yes	Yes
Maximum operating temperature	122 °F	122 °F	122 °F	122 °F
Protection degree*	Type 4	Type 4	Type 4	Type 4
Digital manometer	Yes	Yes	Yes	Yes
Digital ammeter	Yes	Yes	Yes	Yes
Dry running protection	Yes	Yes	Yes	Yes
Automatic restart	Yes	Yes	Yes	Yes
Anti-jamming function	Yes	Yes	Yes	Yes
Protection fuse	Yes	Yes	Yes	Yes
Irrigation mode [double pressure]	Yes	Yes	Yes	Yes
Pool/Industry mode [fixed speed]	Yes	Yes	Yes	Yes
Short-circuit protection between phases	Yes	Yes	Yes	Yes
Short-circuit protection between phases and earth	Yes	Yes	Yes	Yes
Amperometric protection	Yes	Yes	Yes	Yes
Voltage surge protection	Yes	Yes	Yes	Yes
Over-temperature protection	Yes	Yes	Yes	Yes
Pressure sensor fault detection	Yes	Yes	Yes	Yes
Flow switch connection	Yes	Yes	Yes	Yes
BMS protocol connection	Yes	Yes	Yes	Yes
Integrated NFC data transfer system	Yes	Yes	Yes	Yes
Connection for float switch and level probe	Yes	Yes	Yes	Yes
Remote ON/OFF connection	Yes	Yes	Yes	Yes
Remote "Pump on" connection	Yes	Yes	Yes	Yes
Remote alarm connection	Yes	Yes	Yes	Yes
Communication between devices	Yes	Yes	Yes	Yes
Overall dimensions [L x H x W] and weight	7,9x10,8x4,9 - 18 lbs			7,9x10,8x4,9 - 18 lbs

\* Device protection degree Type 4, cooling fan Type 1.

- Note: The minimum and maximum values of the system pressure and the restart pressure vary according to the pressure sensor used.

- Three-phase 230V versions with power up to 27 Ampere are available on request.





# PRESSCONTROL BOARD

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## 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 you 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

	M11	T6
Mains voltage	<u>230 Vac</u>	<u>400 Vac</u>
Acceptable voltage fluctuation	<u>+/- 10%</u>	<u>+/- 10%</u>
Frequency	<u>50/60 Hz</u>	<u>50/60 Hz</u>
Current max	<u>11 A</u>	<u>6 A</u>
Power max	<u>2,2 kW - 3 HP (3~ 230 V)</u>	<u>2,2 kW - 3 HP</u>
Protection degree	<u>Type 4</u>	<u>IType 4</u>
Operating temperature max	<u>140 °F</u>	<u>140 °F</u>
Overall dimensions	<u>6,7x9,4x4,3 Inch - 5,5 lbs</u>	<u>6,7x9,4x4,3 Inch - 5,5 lbs</u>

## 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.

The LEDs indicating the main phases of the device's operation remain always lit to allow the user to always have the status of the system under control.

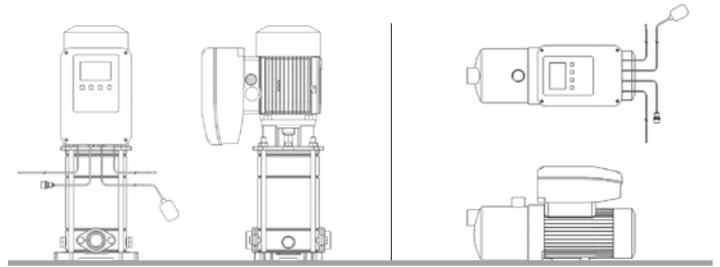
## INSTALLATION AND START-UP

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 to the hydraulic characteristics to 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

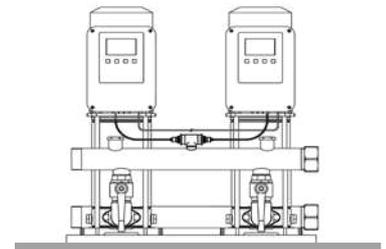
If for any reason the pump remains idle for 24 consecutive hours, the device will start the pump for about 5 seconds.

## BOOSTER SETS

### INSTALLATION AND START-UP

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 to 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 or 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

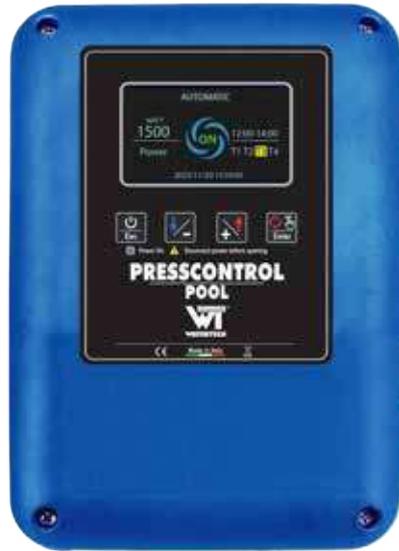
In case of malfunctioning of the Master device, the system will transfer the operation to the Slave device immediately following the Master. If the original Master device has been reset, it will automatically be reintegrated into the system.

### AUTOMATIC RESTARTS AND ANTI-JAMMING FUNCTION

For details refer to the paragraph above.

### OPTIONALS

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



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# PRESSCONTROL POOL

## ON BOARD INVERTER FOR SWIMMING POOL PUMPS

- Equipped with daily and weekly timers.
- Allows manual operating speed selection.
- Allows the management of auxiliary systems.
- Equipped with backwash function.
- Guarantees energy savings.

### TECHNICAL FEATURES

	M11	T6
Mains voltage	<u>230 Vac</u>	<u>400 Vac</u>
Acceptable voltage fluctuation	<u>+/- 10%</u>	<u>+/- 10%</u>
Frequency	<u>50/60 Hz</u>	<u>50/60 Hz</u>
Current max	<u>11 A</u>	<u>6 A</u>
Power max	<u>2,2 kW - 3 HP (3~ 230 V)</u>	<u>2,2 kW - 3 HP</u>
Protection degree	<u>Type 4</u>	<u>IType 4</u>
Operating temperature max	<u>140 °F</u>	<u>140 °F</u>
Overall dimensions	<u>6,7x9,4x4,3 Inch - 5,5 lbs</u>	<u>6,7x9,4x4,3 Inch - 5,5 lbs</u>

### 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 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.

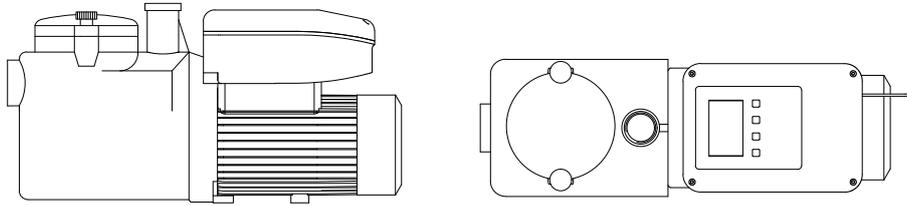
The LEDs indicating the main phases of the device's operation remain always lit to allow the user to always have the status of the system under control.

## INSTALLATION AND START-UP

Install the device directly on the motor.

Connect auxiliary systems if needed.

Energize the device, set the timer and working speeds.



## OPERATION

The device can operate in different operating modes:

- **TIMER** Standard operation, the device works according to set times and speeds.  
The Time function allows to select two types of clock:
  - WEEKLY** - It allows to set up to 4 working time frames, each with its own operating speed.
  - DAILY** - Allows to set for each day of the week up to 4 working time frames, each with its own working speed.
- **MANUAL** Allows to set up to 4 working speeds that can be manually selected via a button.
- **BACKWASH** Enable this function only when cleaning the filters. The device makes the pump work at maximum speed and disables auxiliary contacts.

## AUXILIARY CONTACTS

It is possible to enable up to 4 auxiliary contacts and set their operating times according to the WEEKLY or DAILY logic. This function allows to manage the start-up and shutdown at the desired times of the following systems:

- Saline Chlorine generator
- PH dosing pump
- Pool lights
- Other equipment

There is also a contact to signal pump failure.

## OPTIONALS

- MODBUS - Connection for external remote communication module.
- BLUETOOTH - Connection for Bluetooth module.
- WALL FIX - Wall mounting bracket.
- Alarm panel.



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# PRESSCONTROL TWIN

## 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 pumps 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 stainless steel pressure sensor.

### TECHNICAL FEATURES

	TWIN M11	TWIN T6
Mains voltage	230 Vac	400 Vac
Acceptable voltage fluctuation	+/- 10%	+/- 10%
Frequency	50/60 Hz	50/60 Hz
Current max	11 A	6 A
Power max for each pump single-phase	1,5 kW - 2 HP	---
Power max for each pump three-phase	1,5 kW - 2 HP [3 ~ 230 V Δ]	2,2 kW - 3 HP
Protection degree	Type 4	Type 4
Operating temperature max	140 °F	140 °F
Overall dimensions	7,9x10,8x4,9 Inch - 18 lbs	7,9x10,8x4,9 Inch - 18 lbs.

### 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.

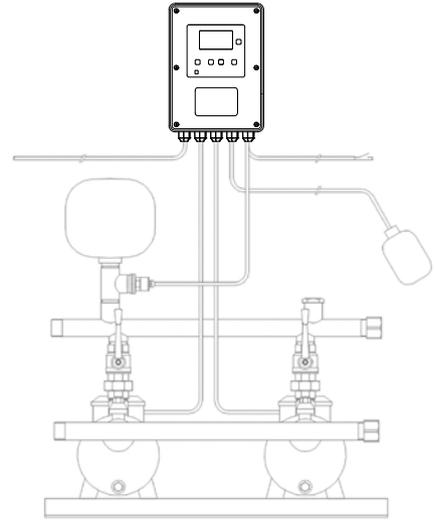
## INSTALLATION AND START-UP

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 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:

- **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 or 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.

The changeover respects the alternating sequence of all the pumps.

## AUTOMATIC RESTARTS

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.

## 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.
- BLUETOOTH - Connection for Bluetooth module.
- Alarm panel.



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# MINIPANEL

## WALL MOUNTED PANEL FOR BOOSTER SETS

- Allows to adjust the cut-in and cut-out pressure of the pumps.
- Guarantees the alternation of the pumps at each start.
- Stops the pumps in case of water shortage and protects them from dry running.
- Equipped with automatic reset in case of failure and anti-jamming function.
- Allows the connection of an electric safety float and a remote contact.
- Can also be used to operate a single pump.
- Standarily supplied with stainless steel pressure sensor.

## 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 at 115V	0,75 kW [1 HP]	1,1 kW [1,5 HP]	----	----
Power max for each pump at 230V	1,5 kW [2 HP]	2,2 kW [3 HP]	----	----
Power max for each pump at 400V	----	----	3 kW [4 HP]	4 kW [5,5 HP]
Protection degree	Type 4	Type 4	Type 4	Type 4
Operating temperature max	140 °F	140 °F	140 °F	140 °F
Overall dimensions	8,7x6,7x2,8 Inch - 1,10 lbs			

## CONTROL PANEL

Setting up and starting the device is 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 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.

The LEDs indicating the main phases of the device's operation remain always lit to allow the user to always have the status of the system under control.

## INSTALLATION AND START-UP

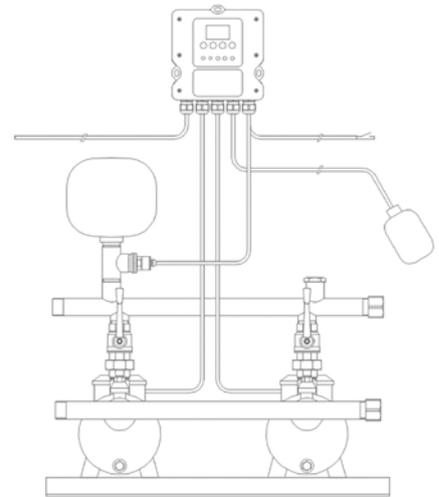
Install the device directly on the booster set or on the wall.

Connect the pumps and the supplied ultrasonic sensor to the device.

Energize, set the operating levels and select the desired working mode.

Provide the use of an expansion tank sized to 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:

- **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 or 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.

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.

## SPECIAL VERSIONS

- **THERMO**                      Version equipped with temperature sensor to start the pumps according to set temperatures. Can work for both cooling and heating. Can be integrated with the Timer version.
- **TIMER**                        Version with programmable weekly clock. Allows to set up to 4 different daily starts for each day of the week.
- **RWS**                         Version for the management of rainwater collection systems.

## OPTIONALS

- Alarm panel.



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# MINIPANEL-SEWAGE

## WALL MOUNTED PANEL FOR WASTE WATER LIFTING STATIONS

- Allows to set the start and stop levels of each pump.
- Guarantees the alternation of the pumps at each start.
- Allows real-time display of the water level.
- Stops the pumps in case of water shortage and protects them from dry running.
- Allows to set the level of alarm intervention.
- Allows the connection of electric emergency float and a remote contact.
- Can also be used to operate a single pump.
- Equipped with ultrasonic sensor set.

### 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 at 115V	0,75 kW [1 HP]	1,1 kW [1,5 HP]	----	----
Power max for each pump at 230V	1,5 kW [2 HP]	2,2 kW [3 HP]	----	----
Power max for each pump at 400V	----	----	3 kW [4 HP]	4 kW [5,5 HP]
Protection degree	Type 4	Type 4	Type 4	Type 4
Operating temperature max	140 °F	140 °F	140 °F	140 °F
Overall dimensions	8,7x6,7x2,8 Inch - 1,10 lbs			

### CONTROL PANEL

Setting up and starting the device is 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 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.

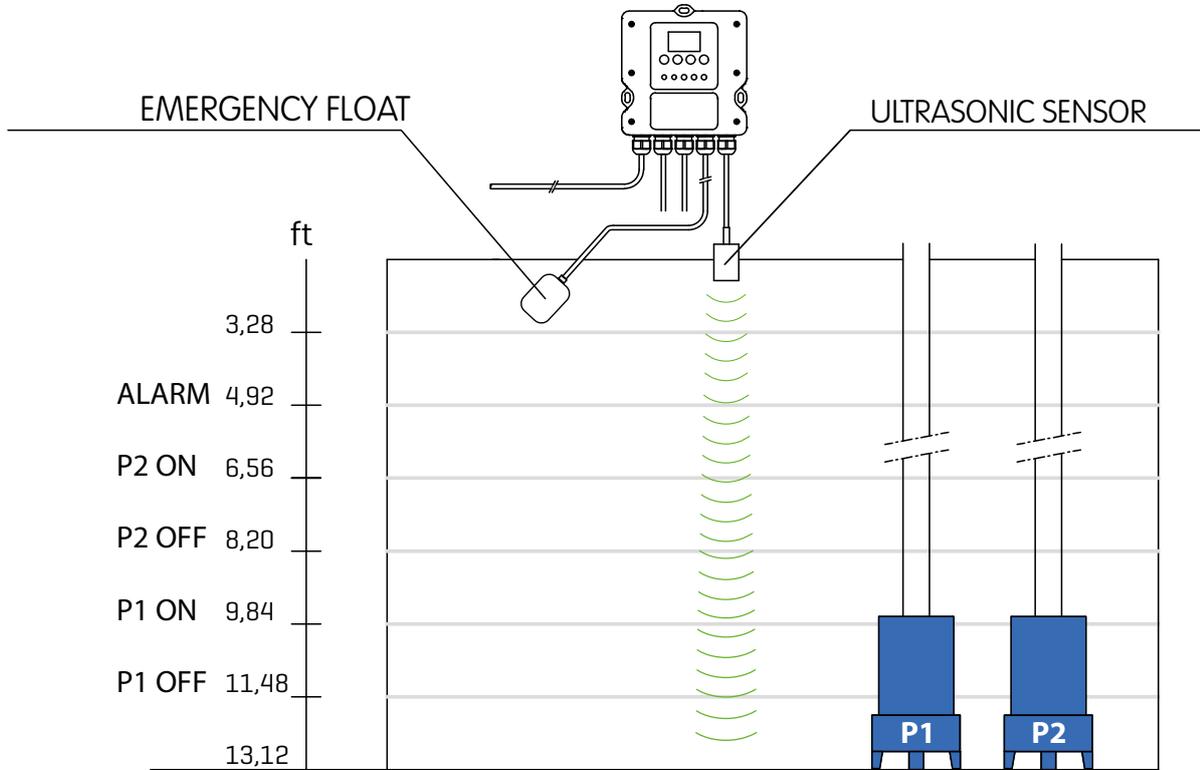
The LEDs indicating the main phases of the device's operation remain always lit to allow the user to always have the status of the system under control.

## INSTALLATION AND START-UP

Install the device near the tank or on the wall.

Connect the pumps and the supplied ultrasonic sensor to the device.

Energize, set the operating levels and select the desired working mode.



## OPERATION

The device starts and stops the pump [or pumps] depending on water level set for each pump.

It is also possible to set the level of alarm intervention.

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 or 2** Only the pump selected by the user works.

## EMERGENCY FLOAT

In the event that the ultrasonic sensor fails, the water level will activate the emergency float that will start both pumps and signal the alarm.

## 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.

## 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.

## OPTIONALS

- Alarm panel.



# PRESSCONTROL

## PRESSURE FLOW SWITCH

Starts and stops the pump depending on opening and closing of the outlets.

Stops the pump in case of water shortage and protects it from dry running. Can be installed on surface and submersible pumps.

No need for an expansion tank, check valve, filter or fittings.

Maintenance free.

### TECHNICAL FEATURES

	PRESSCONTROL UP	PRESSCONTROL UP R
Single-phase mains voltage	115/230 Vac	115/230 Vac
Acceptable voltage fluctuation	+/- 10%	+/- 10%
Frequency	50/60 Hz	50/60 Hz
Current max at 115V	16 A	16 A
Current max at 230V	12 A	12 A
Power max at 115V	0,75 kW [1 HP]	0,75 kW [1 HP]
Power max at 230V	1,5 kW [2 HP]	1,5 kW [2 HP]
Protection degree	Type 4	Type 4
Operating pressure max	174 psi	174 psi
Operating temperature max	55 °C / 131 °F	55 °C / 131 °F
Minimum low	~0,26 gpm	~0,26 gpm
Male connections	1" npt	1" npt

### CONTROL PANEL

#### SIGNALING OF THE WORKING PHASES AND ANOMALIES

	POWER ON	Green led on	Device energized
	PUMP ON	Yellow led on	Pump running
	FAILURE	Red led on	Water shortage
	RESTART	Button	Reset after failure

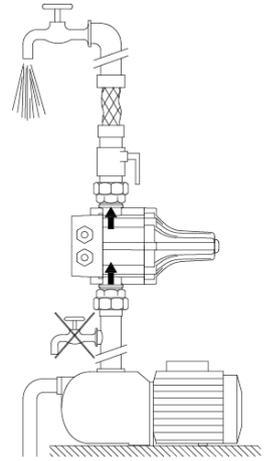
## INSTALLATION AND START-UP

The device can be installed directly on the pump or between the pump and the first tap.

Make all the electrical connections and energize.

From now on, the device will turn the pump on and off depending on the opening and closing of the tap.

In case of a temporary blackout, the device will automatically rearm once the electricity returns.



## SELECTION OF THE DEVICE WITH THE CORRECT RESTART VALUE

Refer to the following table to choose the device with the correct restart value suitable to the characteristics of the system. Standard restart value is 22 psi. On request, restart values different from the standard are available as indicated in the table.

RESTART PRESSURE	12 psi	17 psi	22 psi	32 psi	42 psi	58 psi
FLOORS NUMBER	2	4	5	7	10	13
BUILDING HEIGHT [H]	25 feet	40 feet	50 feet	70 feet	90 feet	130 feet
MAX PUMP PRESSURE	min 29 psi	min 36 psi	min 42 psi	min 55 psi	min 65 psi	min 80 psi

## PRESSCONTROL *UP*

It differs from Presscontrol because it can be powered at both 115 Vac and 230 Vac and is equipped with automatic reset and anti-jamming function.

### 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.

## PRESSCONTROL *R*

It differs from the Presscontrol in the hydraulic part, modified to allow the adjustment of the restart value.

The restart adjustment function can also be combined with the Presscontrol UP.

## SETTING THE RESTART VALUE

Set the desired restart value by turning the screw on the back of the unit. Turn clockwise to increase restart pressure value and counterclockwise to decrease restart pressure value [see fig. 1.]

For a correct regulation of the restart value, follow the table below.

RESTART PRESSURE	22 psi	29 psi	36 psi	42 psi
FLOORS NUMBER	5	6	8	10
BUILDING HEIGHT [H]	50 feet	65 feet	80 feet	90 feet
MAX PUMP PRESSURE	min 42 psi	min 50 psi	min 58 psi	min 65 psi



FIG.1

## OPTIONALS

- GasOil version - suitable for use with petroleum and other chemicals.
- AdBlue version - suitable for use with AdBlue.



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# MASCONTROL

## PRESSURE FLOW SWITCH WITH 1"1/4 CONNECTIONS

- Can be energized with either 115 Vac or 230 Vac.
- Starts and stops the pump depending on opening and closing of the outlets.
- It has 1"1/4 male connections to guarantee a higher flow rate.
- Stops the pump in case of water shortage and protects it from dry running.
- Equipped with automatic restarts in case of failure and anti-jamming function.
- No need for an expansion tank, check valve, filter or fittings.
- Can be installed on surface and submersible pumps up to 3 HP.
- Maintenance free.

### TECHNICAL FEATURES

	MASCONTROL	MASCONTROL R	MASCONTROL 24V
Single-phase mains voltage	115/230 Vac	115/230 Vac	24 Vcc
Acceptable voltage luctuation	+/- 10%	+/- 10%	+/- 10%
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Current max	20 A	20 A	20 A
Power max at 115V	1,1 kW [1,5 HP]	1,1 kW [1,5 HP]	—
Power max at 230V	2,2 kW [3 HP]	2,2 kW [3 HP]	—
Power max at 24V Protection degree	—	—	0,37 kW [0,5 HP]
Operating pressure max	Type 4	IType 4	Type 4
Operating temperature max	174 psi	174 psi	174 psi
Operating temperature max	65 °C / 149 °F	65 °C / 149 °F	65 °C / 149 °F
Minimum low	~0,26 gpm	~0,26 gpm	~0,26 gpm
Male connections	mod MCAF 1" npt mod MCBF 1"1/4 npt	mod MCAF 1" npt mod MCBF 1"1/4 npt	mod MCAF 1" npt mod MCBF 1"1/4 npt

### CONTROL PANEL

#### SIGNALING OF THE WORKING PHASES AND ANOMALIES

	POWER ON	Green led on	Device energized
	PUMP ON	Yellow led on	Pump running
	FAILURE	Red led blinking	Water shortage
	RESTART	Button	Reset after failure

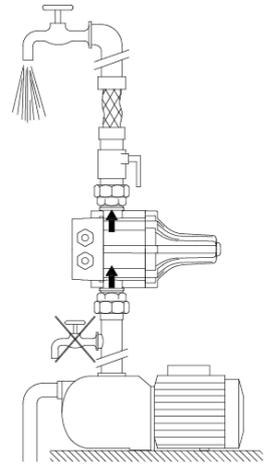
## INSTALLATION AND START-UP

The device can be installed directly on the pump or between the pump and the first tap.

Make all the electrical connections and energize.

From now on, the device will turn the pump on and off depending on the opening and closing of the tap.

In case of a temporary blackout, the device will automatically rearm once the electricity returns.



## SELECTION OF THE DEVICE WITH THE CORRECT RESTART VALUE

Refer to the following table to choose the device with the correct restart value suitable to the characteristics of the system. Standard restart value is 22 psi. On request, restart values different from the standard are available as indicated in the table.

RESTART PRESSURE	17 psi	22 psi	32 psi	42 psi	58 psi
FLOORS NUMBER	4	5	7	10	13
BUILDING HEIGHT (H)	40 feet	50 feet	70 feet	90 feet	130 feet
MAX PUMP PRESSURE	min 36 psi	min 42 psi	min 55 psi	min 65 psi	min 80 psi

## 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.

## MASCONTROL *R*

It differs from MASCONTROL in the hydraulic part, modified to allow the adjustment of the restart value and for the presence, as standard, of the pressure gauge.

## SETTING THE RESTART VALUE

Set the desired restart value by turning the screw on the back of the unit. Turn clockwise to increase restart pressure value and counterclockwise to decrease restart pressure value [see fig. 1].

For a correct regulation of the restart value, follow the table below.

RESTART PRESSURE	22 psi	29 psi	36 psi	42 psi
FLOORS NUMBER	5	6	8	10
BUILDING HEIGHT (H)	50 feet	65 feet	80 feet	90 feet
MAX PUMP PRESSURE	min 42 psi	min 50 psi	min 58 psi	min 65 psi



Fig.1

## MASCONTROL *24V*

24 Vdc version - ideal for use on campers, industrial vehicles, boats, photovoltaic systems, etc.

## OPTIONALS

- GasOil version - suitable for use with petroleum and other chemicals.
- 12 Vdc version.



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# MASCONTROL 3PHASE

## THREE-PHASE PRESSURE FLOW SWITCH WITH 1"1/4 CONNECTIONS

- Three-phase power supply 400 Vac.
- Starts and stops the pump depending on opening and closing of the outlets.
- It has 1"1/4 male connections to guarantee a higher flow rate.
- Stops the pump in case of water shortage and protects it from dry running.
- Equipped with automatic restart in case of failure and anti-jamming function.
- No need for an expansion tank, check valve, filter or fittings.
- Can be installed on surface and submersible pumps up to 3 HP.
- Maintenance free.

### TECHNICAL FEATURES

	MASCONTROL 3PHASE	MASCONTROL 3PHASE UP
Three-phase mains voltage	400 Vac	230 Vac / 400 Vac
Three-phase pump motor voltage	400 V Y	230 V Δ / 400 V Y
Acceptable voltage fluctuation	+/- 10%	+/- 10%
Frequency	50/60 Hz	50/60 Hz
Current max	6 A	6 A
Power max at 230V	—	1,1 kW [1,5 HP]
Power max at 400V	2,2 kW [3 HP]	2,2 kW [3 HP]
Protection degree	Type 4	Type 4
Operating pressure max	174 psi	174 psi
Operating temperature max	50 °C / 122 °F	50 °C / 122 °F
Minimum flow	~0,26 gpm	~0,26 gpm
Male connections	1"1/4 npt	1"1/4 npt
Standard equipped cables	H07RN-F 4G x 1,5 mm <sup>2</sup>	H07RN-F 4G x 1,5 mm <sup>2</sup>

### CONTROL PANEL

#### SIGNALING OF THE WORKING PHASES AND ANOMALIES

	POWER ON	Green led on	Device energized
	PUMP ON	Yellow led on	Pump running
	FAILURE	Red led blinking	Water shortage
	RESTART	Button	Reset after failure

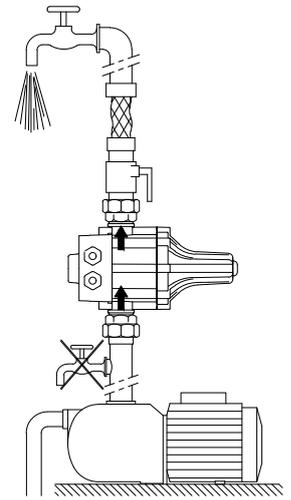
## INSTALLATION AND START-UP

The device can be installed directly on the pump or between the pump and the first tap.

Make all the electrical connections and energize.

From now on, the device will turn the pump on and off depending on the opening and closing of the tap.

In case of a temporary blackout, the device will automatically rearm once the electricity returns.



## SELECTION OF THE DEVICE WITH THE CORRECT RESTART VALUE

Refer to the following table to choose the device with the correct restart value suitable to the characteristics of the system. Standard restart value is 22 psi. On request, restart values different from the standard are available as indicated in the table.

RESTART PRESSURE	17 psi	22 psi	32 psi	42 psi	58 psi
FLOORS NUMBER	4	5	7	10	13
BUILDING HEIGHT (H)	40 feet	50 feet	70 feet	90 feet	130 feet
MAX PUMP PRESSURE	min 36 psi	min 42 psi	min 55 psi	min 65 psi	min 80 psi

## 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.

## MASCONTROL *3PHASE UP*

It differs from MASCONTROL 3PHASE for the presence of electrical protections for the motor.

It can be powered with either 230 or 400 V three-phase voltage.

### PROTECTION AGAINST INVERSION OF THE DIRECTION OF ROTATION OF THE MOTOR

In case of accidental inversion of a phase in power supply, the device detects the anomaly and automatically maintains the correct direction of rotation of the motor as set and verified during installation.

### PROTECTION AGAINST A MISSING PHASE IN POWER SUPPLY

In the event of a missing phase in power supply, the device detects the fault and prevents the pump from starting.

## OPTIONALS

- Pressure gauge.
- GasOil version - suitable for use with petroleum and other chemicals.



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# CONTROLPRES

## PRESSURE FLOW SWITCH WITH ADJUSTABLE WORKING PRESSURE

- Can be energized with either 115 Vac or 230 Vac.
- Starts and stops the pump depending on opening and closing of the outlets.
- Allows to reduce the maximum pressure of the pump and to set the working pressure.
- Stops the pump in case of water shortage and protects it from dry running.
- Equipped with automatic restart in case of failure and anti-jamming function.
- No need for an expansion tank, check valve, filter or fittings.
- Can be installed on surface and submersible pumps up to 3 HP.
- Maintenance free.

### TECHNICAL FEATURES

	CONTROLPRES
Single-phase mains voltage	115/230 Vac
Acceptable voltage fluctuation	+/- 10%
Frequency	50/60 Hz
Current max	20 A
Power max at 115V	1,1 kW [1,5 HP]
Power max at 230V	2,2 kW [3 HP]
Protection degree	Type 4
Operating pressure max	174 psi
Operating temperature max	65 °C / 149 °F
Minimum flow	~0,26 gpm
Pressure regulating range	41-94 psi
Male connections	1"1/4 npt

### CONTROL PANEL

#### SIGNALING OF THE WORKING PHASES AND ANOMALIES

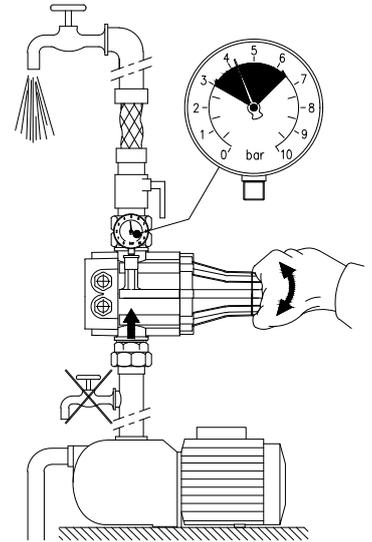
	POWER ON	Green led on	Device energized
	PUMP ON	Yellow led on	Pump running
	FAILURE	Red led blinking	Water shortage
	RESTART	Button	Reset after failure

## INSTALLATION AND START-UP

The device can be installed directly on the pump or between the pump and the first tap. Make all the electrical connections and energize.

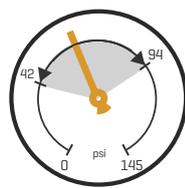
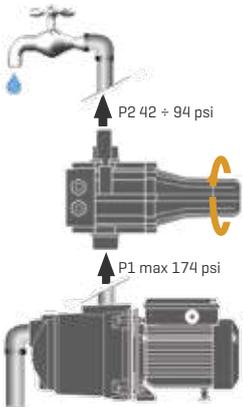
From now on, the device will turn the pump on and off depending on the opening and closing of the tap.

In case of a temporary blackout, the device will automatically rearm once the electricity returns.



## REGULATION OF THE WORKING PRESSURE

To set the pressure to the desired value, turn the knob on the rear of the device clockwise to increase the pressure and counterclockwise to decrease it [adjustment range from 42 to 94 psi]. The restart value is directly proportional to the regulated pressure [see table].



Pressure regulating range  
min 42 psi - max 94 psi

SET PRESSURE	42 psi	50 psi	58 psi	65 psi	72 psi	80 psi	87 psi	94 psi
RESTART PRESSURE	17 psi	22 psi	29 psi	36 psi	42 psi	50 psi	58 psi	65 psi
FLOORS NUMBER	4	5	6	8	10	11	13	15
BUILDING HEIGHT (H)	40 feet	50 feet	65 feet	80 feet	90 feet	115 feet	130 feet	145 feet
MAX PUMP PRESSURE	min 65 psi	min 72 psi	min 80 psi	min 87 psi	min 94 psi	min 101 psi	min 109 psi	min 116 psi

## 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.



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# CONTROLPRES 3PHASE

## THREE-PHASE PRESSURE FLOW SWITCH WITH ADJUSTABLE WORKING PRESSURE

Three-phase power supply 400 Vac.

Starts and stops the pump depending on opening and closing of the outlets.

Allows to reduce the maximum pressure of the pump and to set the working pressure.

It has 1 1/4" male connections to guarantee a higher flow rate.

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

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

No need for an expansion tank, check valve, filter or fittings.

Can be installed on surface and submersible pumps up to 3 HP.

Maintenance free.

### TECHNICAL FEATURES

	CONTROLPRES 3PHASE	CONTROLPRES 3PHASE UP
Three-phase mains voltage	400 Vac	230 Vac / 400 Vac
Three-phase pump motor voltage	400 V Y	230 V Δ / 400 V Y
Acceptable voltage fluctuation	+/- 10%	+/- 10%
Frequency	50/60 Hz	50/60 Hz
Current max	6 A	6 A
Power max at 230V	—	1,1 kW [1,5 HP]
Power max at 400V	2,2 kW [3 HP]	2,2 kW [3 HP]
Protection degree	Type 4	Type 4
Operating pressure max	174 psi	174 psi
Operating temperature max	50 °C / 122 °F	50 °C / 122 °F
Minimum flow	~0,26 gpm	~0,26 gpm
Male connections	1"1/4 npt	1"1/4 npt
Standard equipped cables	H07RN-F 4G x 1,5 mm²	H07RN-F 4G x 1,5 mm²

### CONTROL PANEL

#### SIGNALING OF THE WORKING PHASES AND ANOMALIES

	POWER ON	Green led on	Device energized
	PUMP ON	Yellow led on	Pump running
	FAILURE	Red led blinking	Water shortage
	RESTART	Button	Reset after failure

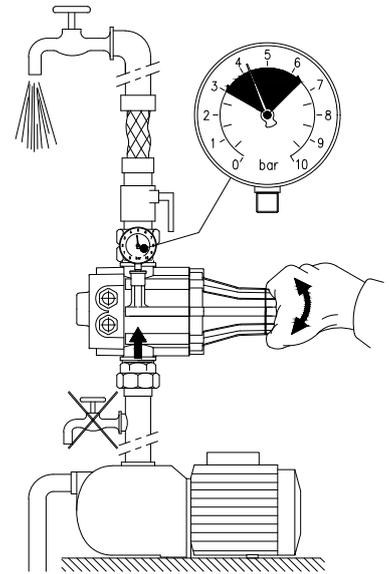
## INSTALLATION AND START-UP

The device can be installed directly on the pump or between the pump and the first tap.

Make all the electrical connections and energize.

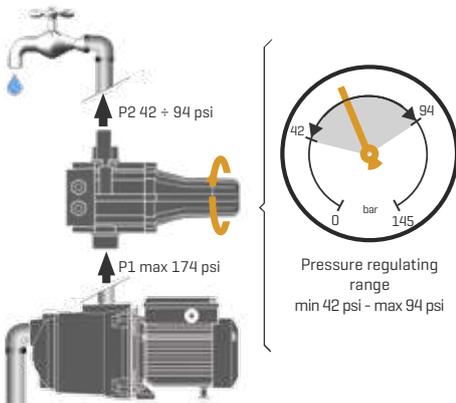
From now on, the device will turn the pump on and off depending on the opening and closing of the tap.

In case of a temporary blackout, the device will automatically rearm once the electricity returns.



## REGULATION OF THE WORKING PRESSURE

To set the pressure to the desired value, turn the knob on the rear of the device clockwise to increase the pressure and counterclockwise to decrease it (adjustment range from 42 to 94 psi). The restart value is directly proportional to the regulated pressure (see table).



SET PRESSURE	42 psi	50 psi	58 psi	65 psi	72 psi	80 psi	87 psi	94 psi
RESTART PRESSURE	17 psi	22 psi	29 psi	36 psi	42 psi	50 psi	58 psi	65 psi
FLOORS NUMBER	4	5	6	8	10	11	13	15
BUILDING HEIGHT (H)	40 feet	50 feet	65 feet	80 feet	90 feet	115 feet	130 feet	145 feet
MAX PUMP PRESSURE	min 65 psi	min 72 psi	min 80 psi	min 87 psi	min 94 psi	min 101 psi	min 109 psi	min 116 psi

## 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.

## CONTROLPRES 3PHASE UP

It differs from CONTROLPRES 3PHASE for the presence of electrical protections for the motor.

It can be powered with either 230 or 400 V three-phase voltage.

### PROTECTION AGAINST INVERSION OF THE DIRECTION OF ROTATION OF THE MOTOR

In case of accidental inversion of a phase in power supply, the device detects the anomaly and automatically maintains the correct direction of rotation of the motor as set and verified during installation.

### PROTECTION AGAINST A MISSING PHASE IN POWER SUPPLY

In the event of a missing phase in power supply, the device detects the fault and prevents the pump from starting.



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# PRESSCONTROL FLUX

## FLOWSWITCH

Can be energized with either 115 Vac or 230 Vac.

Starts and stops the pump depending on opening and closing of the outlets.

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

Maintenance free.

## TECHNICAL FEATURES

	PRESSCONTROL FLUX	PRESSCONTROL FLUX <i>UP</i>
Single-phase mains voltage	115/230 Vac	115/230 Vac
Acceptable voltage fluctuation	+/- 10%	+/- 10%
Frequency	50/60 Hz	50/60 Hz
Current max. at 115V	16 A	16 A
Current max. at 230V	12 A	12 A
Power max. at 115V	0,75 kW [1 HP]	0,75 kW [1 HP]
Power max. at 230V	1,5 kW [2 HP]	1,5 kW [2 HP]
Protection degree	Type 4	Type 4
Operating pressure max.	174 psi	174 psi
Operating temperature max.	55 °C / 131 °F	55 °C / 131 °F
Minimum flow	~0,26 gpm	~0,26 gpm
Male connections	mod. MCAF 1"npt mod. MCBF 1 1/4"npt	mod. MCAF 1"npt mod. MCBF 1 1/4"npt

## CONTROL PANEL

### SIGNALING OF THE WORKING PHASES AND ANOMALIES

	POWER ON	Green led on	Device energized
	PUMP ON	Yellow led on	Pump running
	RESTART	Button	Reset after failure

## INSTALLATION AND START-UP

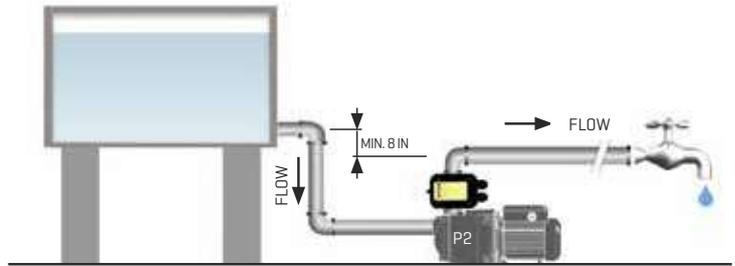
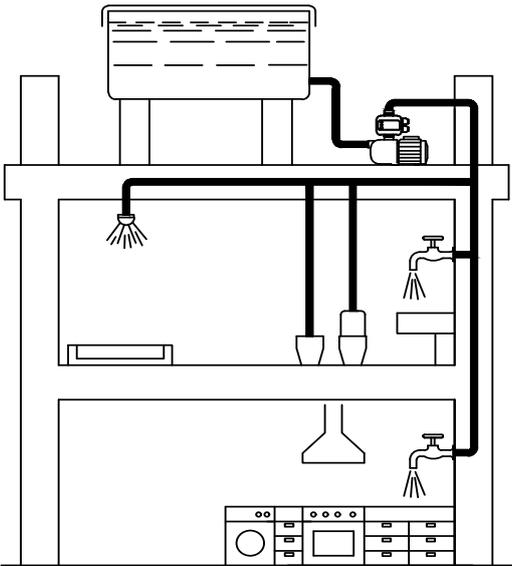
The device can be installed directly on the pump or between the pump and the first tap.

Make all the electrical connections and energize.

In order to operate it requires a minimum flow that passes through it when a tap of the system is opened.

For this reason, the device and the system taps must be installed lower than the tank.

Starts and stops the pump depending on the opening and closing of the taps. In case of a temporary blackout, the device will automatically restart once the electricity returns.

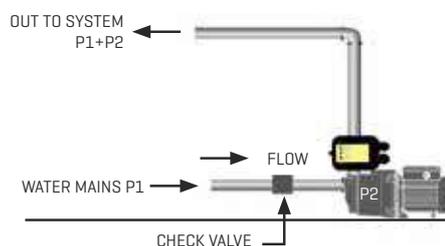


## PRESSCONTROL FLUX UP

The UP version is different from the standard PRESSCONTROL FLUX due to the presence of automatic restarts and the anti-jamming function. The device automatically starts the pump for about 7 seconds every 30 minutes for 6 hours. The first start takes place 30 minutes after the last pump stop.

The device also automatically starts the pump for about 7 seconds every 24 hours (antijamming function). The pump is started 24 hours after the last pump stop.

This model is ideal for the direct provisioning from the water mains in the event of frequent interruptions in the water supply service.





Precisely Right.







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