



TREVI ®
engineering



CATALOGUE - 2020



ELECTRONIC CONTROLS FOR PUMP MANAGEMENT

LOGIC SP - STP - TP

Water passage variable frequency drive for the control and protection of the pump and pressure sets

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Air cooled variable frequency drive for the control and protection of the pump and pressure sets

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LOGIC SP - STP - TP

WATER PASSAGE VARIABLE FREQUENCY DRIVE FOR THE CONTROL AND PROTECTION OF THE PUMP.

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

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

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

Is equipped with automatic restart in case of failure of anti-jamming function.

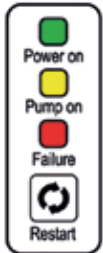
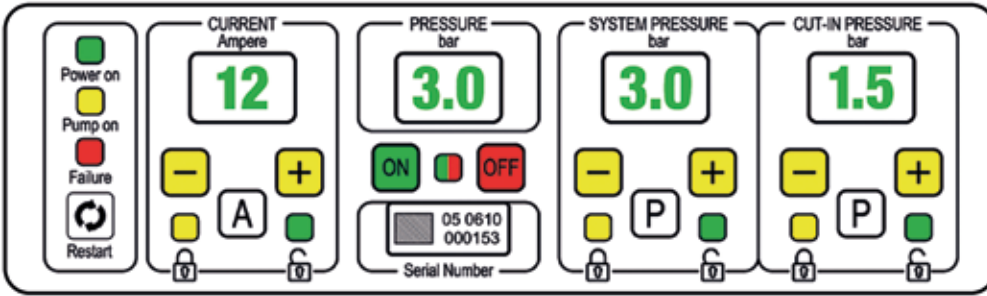
Ensures energy saving.

Can be installed on surface and submersible pumps.

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

Maintenance free.

CONTROL AND SETTING



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



A	Buttons	Keypad access and locking
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SETTING THE VALUE OF THE CURRENT ABSORBED BY THE MOTOR

Read the value of the current in Amperes on the pump motor nameplate. Press the button **A** (green LED on) and set the value on the display using the **+** and **-** buttons (0,5 A steps). Set the value by pressing the button **A** (yellow led on) to confirm the adjustment. When the pump is running the real motor absorption value will appear on the display.



MANOMETER	Indicates the real value of the system pressure.
SWITCH	Press the button ON (green led on) to start the pump and the button OFF (red led on) to turn it off.
IDENTIFICATION	Specific serial number and data matrix of the device.



SETTING THE VALUE OF THE SYSTEM PRESSURE

Press the button **P** (green led on) and set the value on the display using the **+** and **-** buttons (0,5 bar steps). After setting the desired value, press the button **P** (yellow led on) to confirm the adjustment.



SETTING THE CUT-IN VALUE OF THE PUMP

Press the button **P** (green led on) and set the value on the display using the **+** and **-** buttons (0,1 bar steps). After setting the desired value, press the button **P** (yellow led on) to confirm the adjustment.

INSTALLATION AND STARTUP

Install the device in vertical position directly on the pump or between the pump and the first tap.

Make all electrical connections, give power and wait a few seconds.

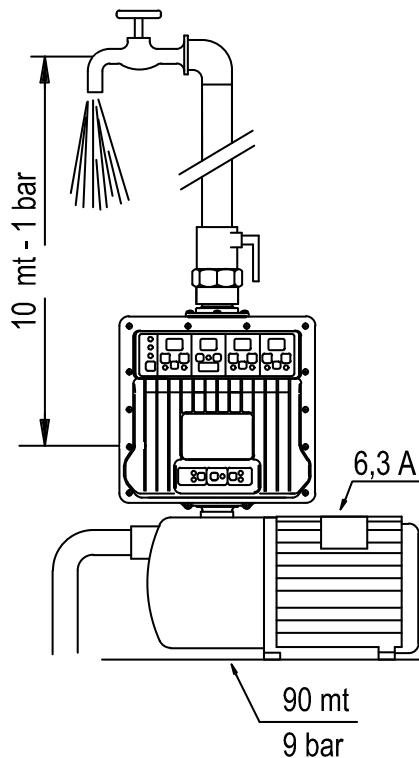
When the set-up is completed the factory-set current and pressure values will appear on the display (CURRENT 1,5 A - SYSTEM PRESSURE 3,0 bar - CUT-IN PRESSURE 1,5 bar), the Current display starts blinking and the real pressure value of the system appears on the Pressure display.

Set the current absorbed by the motor indicated on its nameplate. In order to adapt the system to the desired operation, it may be necessary to set different pressure values from those set by the factory: system pressure 3 bar, cut-in pressure 1,5 bar.

Once the values are set, press the button ON (green LED on) to start.

When the pump is running, the real value of the current absorbed by the motor appears on the Current display. In the event of a temporary blackout, the device automatically resets itself when electricity returns.

EXAMPLE OF INSTALLATION



> CURRENT

Adjustment steps: 0,5 A up to 10 A - 1 A over 10 A.

Set the value immediately over the value of A indicated on the nameplate.

Example: motor current (on nameplate) 6,3 A → max 6,5 A.

> SYSTEM PRESSURE

Adjustment step: 0,5 bar.

Set the desired value provided that it is lower than the actual maximum pressure generated by the pump.

Example: maximum pump pressure 9 bar → max 8,5 bar.

> CUT-IN PRESSURE

Adjustment step: 0,1 bar

Set the desired value provided that it is at least ~0.5 bar higher than the pressure exerted by the water column.

Example: water column pressure 1 bar → min 1,5 bar.

AUTOMATIC RESTARTS AND ANTI-JAMMING FUNCTION

In case of stopping due to a water shortage, the devices 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 devices at any time by pressing the Restart button.

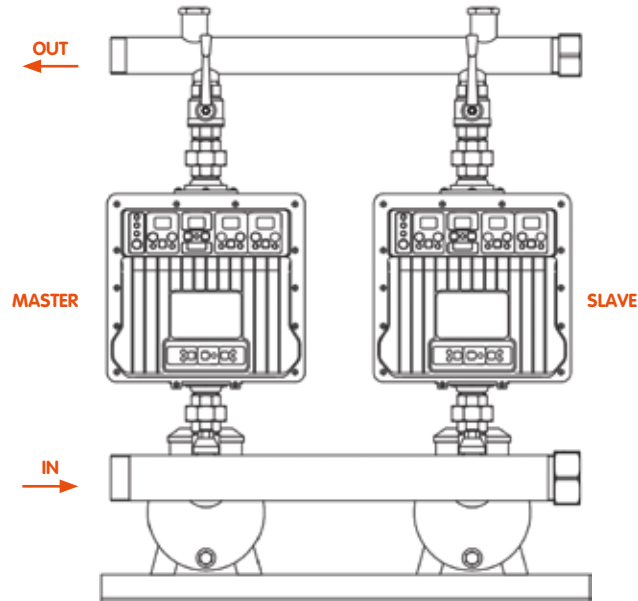
If for any reason the pumps remains idle for 24 consecutive hours, the device will start of the pump or for about 5 seconds without affecting the normal operation of the unit.

COMMUNICATION BETWEEN DEVICES

Each model of Presscontrol Evo Series in the "COM" version is standardly equipped with interface and communication cable to make pressure sets.



PRESSURE SETS



INSTALLATION AND STARTUP

Use the control and adjustment panel to set the current values (CURRENT) of all devices.

Use the communication panel to select the Master device and Slave devices.

To change the system pressure and restart pressure values (bar) of the devices, only act on the Master device even if the pump is running.

The system pressure and restart pressure values set on the Master device are automatically transferred to the Slave devices.

OPERATION

The Master device controls the Slave devices and manages the operation of the pressure set.

Initially, the pump on which the Master device is installed will start first, but if the demand for water is such that this pump is unable to maintain the set system pressure value, then the second pump on which the Slave device is installed will automatically start.

Every time the pumps stop, it will be the second, third and/or fourth pump etc. to start first, depending on how many pumps are installed, to return to the Master device and so on.

The starting alternation and operation of the pumps of the pressure set, guarantees a uniform wear therefore longer life of the pressure set.

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 as a Slave device.

AUTOMATIC RESTART AND ANTI-JAMMING FUNCTION

In case of stopping due to a water shortage, the devices 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 devices at any time by pressing the Restart button.

If for any reason the pumps remains idle for 24 consecutive hours, the device will start the pump for about 5 seconds without affecting the normal operation of the pressure set.

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

MODELS AND TECHNICAL FEATURES

	SP - SINGLE-PHASE / SINGLE-PHASE			
	VOLTAGE/MOTOR MODELS	SP 8,5	SP 11	SP 13
Mains voltage		1 ~ 230 Vac	1 ~ 230 Vac	1 ~ 230 Vac
Acceptable voltage fluctuations		+/- 15%	+/- 15%	+/- 15%
Frequency (automatic recognition)		50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Pump motor voltage		1 ~ 230 V	1 ~ 230 V	1 ~ 230 V
Maximum pump motor current		8,5 A	11 A	13 A
Maximum pump motor power		1,1 kW - 1,5 HP	1,5 kW - 2 HP	2,2 kW - 3 HP
Motor soft start		Yes	Yes	Yes
Electrical connection cable to mains H07 RN-F		3G 1,5 mm ² L 1,5 m schuko plug		
Electrical connection cable to motor H07 RN-F		3G 1,5 mm ² L 1,5 m		
Length motor cable up to 80 m.		Yes	Yes	Yes
Maximum operating pressure		16 bar	16 bar	16 bar
Adjustable system pressure		2 ÷ 12 bar	2 ÷ 12 bar	2 ÷ 12 bar
Adjustable cut-in pressure		1 ÷ 11 bar	1 ÷ 11 bar	1 ÷ 11 bar
Minimum flow		~ 1 l/min	~ 1 l/min	~ 1 l/min
Maximum operating temperature		60 °C	60 °C	60 °C
Protection degree		IP 65	IP 65	IP 65
Digital manometer		Yes	Yes	Yes
Digital ammeter		Yes	Yes	Yes
Dry running protection		Yes	Yes	Yes
Timed automatic rearming		Yes	Yes	Yes
Anti-jamming function		Yes	Yes	Yes
Protection fuse		Yes	Yes	Yes
Short-circuit protection between phases		Yes	Yes	Yes
Short-circuit protection between phases and earth		Yes	Yes	Yes
Over-current protection		Yes	Yes	Yes
Voltage surge protection		Yes	Yes	Yes
Over-temperature protection		Yes	Yes	Yes
Pressure sensor fault detection		Yes	Yes	Yes
Float switch and level probe connections		Yes	Yes	Yes
Remote ON/OFF connection predisposition		Yes	Yes	Yes
Remote alarm connection predisposition		Yes	Yes	Yes
Accumulation		Integrated	Integrated	Integrated
Check valve		Integrated	Integrated	Integrated
Water discharge		Yes	Yes	Yes
Male connections		1" - 1"	1" 1/4 - 1" 1/4	1" 1/4 - 1" 1/4
Interchangeable male connections		1" 1/4 - 1" 1/4	1" 1/2 - 1" 1/2	1" 1/2 - 1" 1/2
Stainless steel screws		Yes	Yes	Yes
TÜV SÜD Certification		Z1 14 03 73297 010		
Overall dimensions (L x H x W) and weight		260 x 312 x 285 mm ~ 5 Kg		

Communication between devices: For each model is available the "COM" version that is standardly



LOGICWALL

LOGICWALL PRO

VARIABLE FREQUENCY DRIVE FOR CONTROL AND PROTECTION OF THE PUMP

Logicwall M powered by single-phase voltage can control either single-phase pumps up to 2 hp or three-phase pumps 230v up to 3 hp.

Logicwall T and **wall pro** powered by three-phase voltage can control three-phase 400v pumps up to 15 hp.

It can be wall-mounted or installed directly on the pipe system.

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.

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

Ensures energy saving.

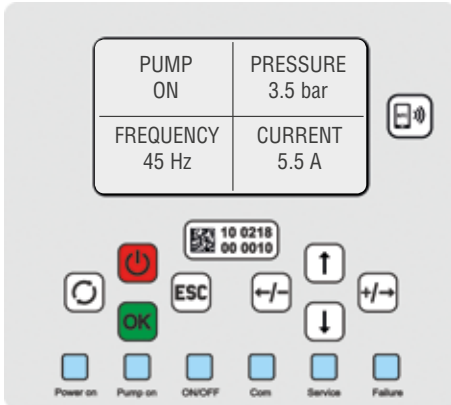
Can be installed on surface and submersible pumps.

Standardly supplied with a 16 bar pressure sensor.

Standardly equipped with a communication interface to make pressure sets.

CONTROL AND REGULATION PANEL

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



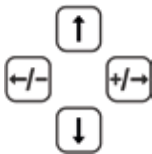
In the figure, clockwise, an example of visualization of the information divided into 4 quadrants:

- 1 - Pump status
- 2 - Real system pressure
- 3 - Working frequency of the inverter
- 4 - Absorbed current in Ampere



- ON/OFF BUTTON**
- ESC BUTTON**
- OK BUTTON**
- RESTART BUTTON**

- Starts and stops the pump
- To exit the programming screen
- To access programming and confirm data entry
- For manual resetting in the event of a fault



- UP ARROW**
- RIGHT ARROW**
- DOWN ARROW**
- LEFT ARROW**

- Menu scroll upwards
- Menu scrolling to the right and to increase parameter values
- Menu scrolling downwards
- Menu scrolling to the left and to decrease parameter values

- Power on** Presence of voltage
- Pump on** Pump is running
- ON/OFF** Inverter on or off
- Com** Communication between devices active
- Service** Request for maintenance
- Failure** Operating fault



- Serial number and data matrix of the device



- Data transmission with NFC technology. Download our APP and place the mobile phone near the icon to transfer the information from the inverter to your smartphone.

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 lit even when the display turns off to allow the user to always have the status of the system under control.

MAIN FEATURES

LOGICWALL standardly allows:

- The use of any type 4-20 mA 12-16-25 bar pressure sensor on the market.
- The application of an analog flow sensor (On/Off).
- The application of a digital flow sensor to measure the flow rate.
- The assembling of pressure sets up to 4 pumps managed with a single inverter or by an inverter for each pump.
- The connection with BMS protocols (Building Management System).
- The connection with a floater, a level probe kit and other remote controls.
- Reading parameters via NFC.

INSTALLATION AND STARTUP

Install the device on a wall near the pump (fig.1, 3) or directly on the pipe system (fig.2).

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

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

To start the pump, follow the instructions that will appear in sequence on the display of the device:

- Language selection.
- Select single-phase pump or 230V three-phase pump (only for single-phase power supply version).
- Pump motor ampere setting.
- Minimum flow acquisition.
- Dry-running acquisition.
- Setting of the working pressure and restart pressure if different from factory setting: system pressure 3 bar - restart pressure 1,5 bar.
- It is now possible to start the pump.

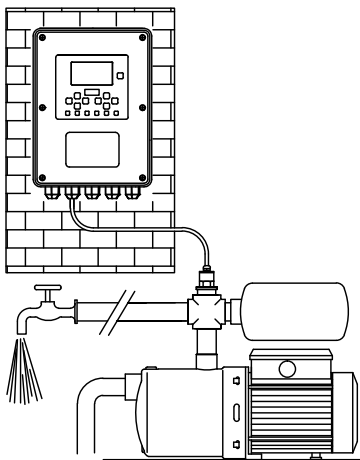


FIG.1

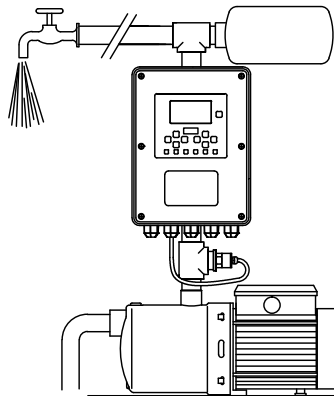


FIG.2

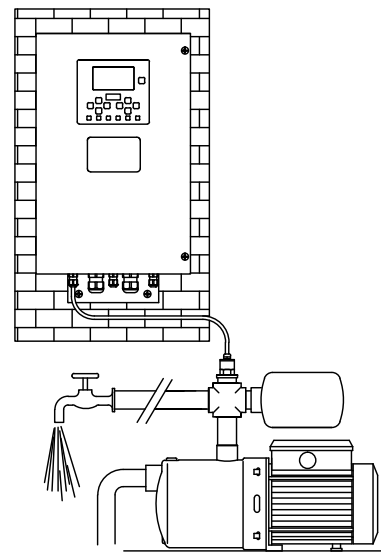


FIG.3

AUTOMATIC RESTART AND ANTI-JAMMING FUNCTION

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.

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

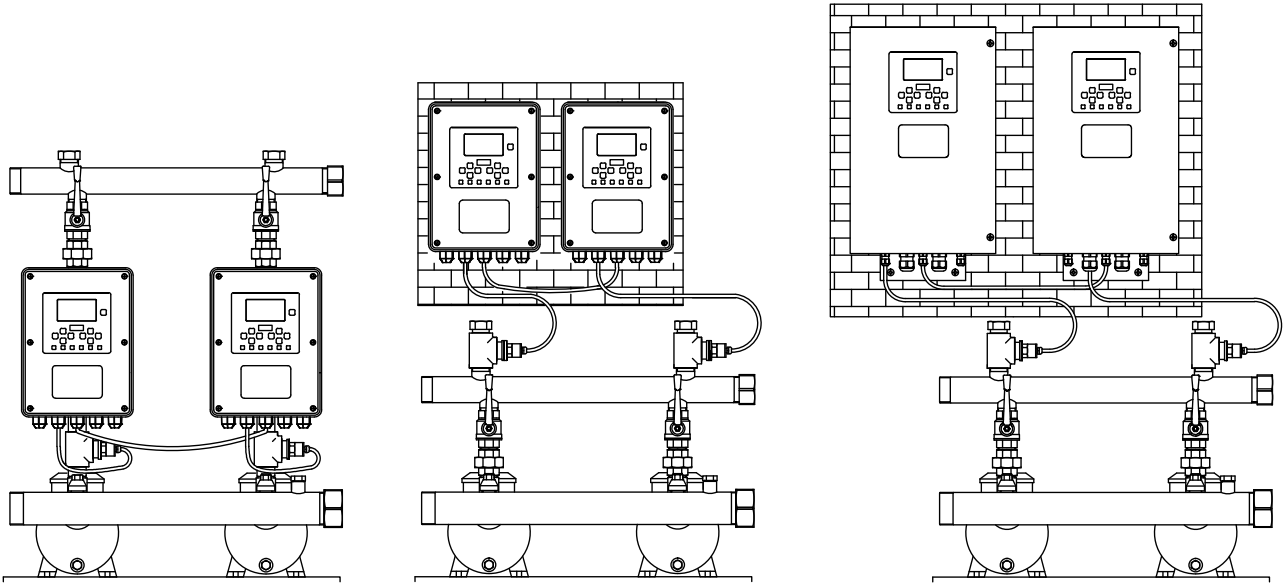
In case of a temporary blackout, the device will automatically rearm once the electricity returns.

USE WITH GSM

Logicwall can be connected to a GSM data transmitter for automatic transmission of the operating information. See LOGIC GSM device on page 38 of the catalogue.

PRESSURE SETS

- Logicwall is equipped with a communication interface that allows up to 4 devices to communicate simultaneously.



INSTALLATION AND SETUP

Connect the devices together using the serial port.

Program the Logicwall selected as Master following the instructions on the display.

Enable communication on the Master Logicwall that automatically will transfer the data to the other connected Logicwall units that will act as Slave devices. You can now start the pressure set.

To change the system pressure value and restart pressure value, only act on the Master device even if the pump is running.

The system pressure value and restart pressure value set on the Master device will be automatically transferred to the Slave devices.

OPERATION

The Master device controls the Slave devices and determines the group operation.

Initially, the pump on which the Master device is installed starts first, but if the water demand is such that this pump is not able to maintain the set system pressure value, the second pump on which the Slave device is installed automatically starts.

Every time the pumps stop, the second and/or third, fourth pump start depending on how many pumps are installed, to return to the Master device and so on. The starting alternation and operation of the pumps of the pressure set ensures uniform wear of the pumps, which results in a longer life of the pressure set.

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 as a Slave device.

AUTOMATIC RESTART AND ANTI-JAMMING FUNCTION

In case of stopping due to a water shortage, the devices 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 devices at any time by pressing the Restart button.

If for any reason the pumps remains idle for 24 consecutive hours, the device will start the pump for about 5 seconds without affecting the normal operation of the pressure set.

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

MODELS AND TECHNICAL FEATURES

LOGICWALL

	SINGLE-PHASE		
	MODELS M 8,5	M 11	T 6
Mains voltage	1 ~ 230 Vac	1 ~ 230 Vac	3 ~ 400 Vac
Acceptable voltage fluctuations	+/- 15%	+/- 15%	+/- 15%
Frequency (automatic recognition)	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Single-phase pump motor	1 ~ 230 V	1 ~ 230 V	-
Three-phase pump motor	3 ~ 230 V Δ	3 ~ 230 V Δ	3 ~ 400 V Y
Maximum pump motor current	8,5 A	11 A	6 A
Maximum single-phase pump motor power	1,1 kW - 1,5 HP	1,5 kW - 2 HP	-
Maximum three-phase pump motor power	1,9 kW - 2,5 HP	2,2 kW - 3 HP	2,2 kW - 3 HP
Motor soft start	Yes	Yes	Yes
Motor cable length up to 80 m	Yes	Yes	Yes
Maximum operating pressure	25 bar	25 bar	25 bar
Adjustable system pressure	2 ÷ 25 bar	2 ÷ 25 bar	2 ÷ 25 bar
Adjustable restart pressure	1 ÷ 24 bar	1 ÷ 24 bar	1 ÷ 24 bar
Adjustable minimum flow	Yes	Yes	Yes
Maximum operating temperature	50 °C	50 °C	50 °C
Protection degree*	IP65	IP65	IP65
Digital manometer	Yes	Yes	Yes
Digital ammeter	Yes	Yes	Yes
Dry running protection	Yes	Yes	Yes
Automatic restart	Yes	Yes	Yes
Anti-jamming function	Yes	Yes	Yes
Protection fuse	Yes	Yes	Yes
Short-circuit protection between phases	Yes	Yes	Yes
Short-circuit protection between phases and earth	Yes	Yes	Yes
Amperometric protection	Yes	Yes	Yes
Voltage surge protection	Yes	Yes	Yes
Over-temperature protection	Yes	Yes	Yes
Pressure sensor fault detection	Yes	Yes	Yes
Flow switch connection	Yes	Yes	Yes
BMS protocol connection	Yes	Yes	Yes
Integrated NFC data transfer system	Yes	Yes	Yes
Connection for float switch and level probe	Yes	Yes	Yes
Remote ON/OFF connection	Yes	Yes	Yes
Remote "Pump on" connection	Yes	Yes	Yes
Remote alarm connection	Yes	Yes	Yes
Communication between devices	Yes	Yes	Yes
Overall dimensions (L x H x W) and weight	200 x 275 x 125 - 5 kg		200 x 275 x 125 - 5 kg

* Device protection degree IP65, cooling fan IP20.

- Note: The minimum and maximum values of the adjustable system pressure and the adjustable restart pressure vary according to the pressure
- Three-phase 230V versions with power higher than 9 Ampere are available on request.

LOGICWALL PRO

THREE-PHASE

THREE-PHASE

T 9	T 9 (Three-phase 230V)	T 12	T 16	T 19	T 23
3 ~ 400 Vac	3 ~ 230 Vac	3 ~ 400 Vac	3 ~ 400 Vac	3 ~ 400 Vac	3 ~ 400 Vac
+/- 15%	+/- 15%	+/- 15%	+/- 15%	+/- 15%	+/- 15%
50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
-	-	-	-	-	-
3 ~ 400 V Y	3 ~ 230 V Δ	3 ~ 400 V Y	3 ~ 400 V Y	3 ~ 400 V Y	3 ~ 400 V Y
9 A	9 A	12 A	16 A	19 A	23 A
-	-	-	-	-	-
3 kW - 4 HP	2,2 kW - 3 HP	5,5 kW - 7,5 HP	7,5 kW - 10 HP	9,2 kW - 12,5 HP	11 kW - 15 HP
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
25 bar	25 bar	25 bar	25 bar	25 bar	25 bar
2 ÷ 12 bar	2 ÷ 12 bar	2 ÷ 12 bar	2 ÷ 12 bar	2 ÷ 12 bar	2 ÷ 12 bar
1 ÷ 24 bar	1 ÷ 24 bar	1 ÷ 24 bar	1 ÷ 24 bar	1 ÷ 24 bar	1 ÷ 24 bar
Yes	Yes	Yes	Yes	Yes	Yes
50 °C	50 °C	50 °C	50 °C	50 °C	50 °C
IP 65	IP 65	IP 65	IP 65	IP 65	IP 65
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
		270 x 470 x 180- 9kg			

sensor used.



LOGICPRESS SET

DEVICE FOR CONTROL AND PROTECTION OF THE PUMP

It allows to set the restart pressure value of the pump.

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

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

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

Can be installed on surface and submersible pumps.

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



Maintenance free.

MODELS AND TECHNICAL FEATURES

	LOGICPRESS SET
Power supply voltage	230 Vac
Voltage fluctuation	+/- 10%
Frequency	50/60 Hz
Current max	10 A
Power max a 230V	1,5 kW (2 HP)
Adjustable restart pressure	1,5-2-2,5 bar
Protection degree	IP 65
Operating pressure max.	12 bar
Operating temperature max.	65 °C
Minimum flow	~1 l/min
Male connections	Gc 1"
Certifications	TÜV SÜD

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



Made in Italy

INSTALLATION AND STARTUP

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

Make all the electrical connections, check that the pump is correctly primed, open a tap 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 water shortage, the device will stop the pump and protect it from dry running (red "Failure" led blinking).

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



SETTING THE RESTART VALUE

To change the restart value, press and hold the **Set** button for three seconds (see image). Repeat the operation until the green LED lights up at the desired restart value. Select the correct restart value suitable to the characteristics of the system.



2.5	Green led on	Restart value 2,5 bar
2	Green led on	Restart value 2 bar
1.5	Green led on	Restart value 1,5 bar
Set	Button	Restart value selection

RESTART PRESSURE	1,5 bar	2 bar	2,5 bar
FLOORS NUMBER	5	6	8
BUILDING HEIGHT [H]	15 mt	20 mt	25 mt
MAX PUMP PRESSURE	min 3 bar	min 3,5 bar	min 4 bar

AUTOMATIC RESTART AND ANTI-JAMMING FUNCTION

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.

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

OPTIONALS

- Blue/orange version (see picture).
- Manometer (0-12 bar range) factory mounted or supplied separately.
- Version 115 Vac.





LOGICPRESS

DEVICE FOR CONTROL AND PROTECTION OF THE PUMP

It can be energized at either 115 Vac or 230 Vac.

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

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

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

Can be installed on surface and submersible pumps.

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

Maintenance free.

TECHNICAL FEATURES

	LOGICPRESS	LOGICPRESS AF
Power supply voltage	115/230 Vac	230 Vac
Voltage fluctuation	+/- 10%	+/- 10%
Frequency	50/60 Hz	50/60 Hz
Current max	10 A	10 A
Power max a 115V	0,75 kW (1 HP)	—
Power max a 230V	1,5 kW (2 HP)	1,5 kW (2 HP)
Protection degree	IP 65	IP 65
Operating pressure max	12 bar	12 bar
Operating temperature max	65 °C	65 °C
Minimum flow	~1 l/min	~1 l/min
Male connections	Gc 1"	Gc 1"
Certifications	TÜV SÜD	TÜV SÜD

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



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INSTALLATION AND STARTUP

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

Make all the electrical connections, check that the pump is correctly primed, open a tap 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 water shortage, the device will stop the pump and protect it from dry running (red "Failure" led blinking).

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 1.5 bar.

On request, restart values different from the standard are available as indicated in the table.

RESTART PRESSURE	1,2 bar	1,5 bar	2,2 bar	3 bar
FLOORS NUMBER	4	5	7	10
BUILDING HEIGHT (H)	12 mt	15 mt	22 mt	30 mt
MAX PUMP PRESSURE	min 2,5 bar	min 3 bar	min 3,5 bar	min 4,5 bar

AUTOMATIC RESTART AND ANTI-JAMMING FUNCTION

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.

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

LOGICPRESS AF (Anti Flooding)

Logicpress AF is equipped with an anti-flooding function.

This function enables the user to set the maximum continuous running time after which the device will stop the pump.

Thus, in the event of a broken pipe, the device will stop the pump once the set time limit has been reached, limiting the damage caused by the continuous leakage of water. The use of Logicpress AF is therefore particularly suitable for second homes, garden irrigation and all applications with limited supervision.

SETTING THE MAXIMUM CONTINUOUS RUNNING TIME OF THE PUMP

It is possible to select a maximum operating time from those shown in the following table:



Press and hold the "Set Time" key to set the maximum pump time on.

Each combination of LEDs corresponds to the Maximum Pump-on time indicated in the table.

If the continuous running time is exceeded, the device stops the pump and the red Failure light turns on. To restore normal operation, press the "Restart" key.

OPTIONALS

- Blue/orange version (see picture).
- Manometer (0-12 bar range) factory mounted or supplied separately.
- Version 115 Vac.





LOGICPRESS PLUS

DEVICE FOR THE CONTROL AND PROTECTION OF THE PUMP

Can be energized with either 115 Vac or 230 Vac.

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

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

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

Is 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.

MODELS AND TECHNICAL FEATURES

	LOGICPRESS PLUS	LOGICPRESS PLUS R	LOGICPRESS PLUS 24V
Power supply voltage	115/230 Vac	115/230 Vac	24 Vcc
Voltage fluctuation	+/- 10%	+/- 10%	+/- 10%
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Current max	16 A	16 A	20 A
Power max a 115V	1,1 kW (1,5 HP)	1,1 kW (1,5 HP)	
Power max a 230V	2,2 kW (3 HP)	2,2 kW (3 HP)	0,37 kW (0,5 HP) at 24V
Protection degree	IP 65	IP 65	IP 65
Operating pressure max	12 bar	12 bar	12 bar
Operating temperature max	60 °C	60 °C	60 °C
Minimum flow	~1 l/min	~1 l/min	~1 l/min
Male connections	Gc 1"1/4	Gc 1"1/4	Gc 1"1/4
Certifications	TÜV SÜD	TÜV SÜD	TÜV SÜD

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 STARTUP

The device can be installed directly on the pump or between the pump and the first tap. Make all the electrical connections, check that the pump is correctly primed, open a tap 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 water shortage, the device will stop the pump and protect it from dry running (red "Failure" led blinking). 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 1.5 bar. On request, restart values different from the standard are available as indicated in the table.

RESTART PRESSURE	1,2 bar	1,5 bar	2,2 bar	3 bar	4 bar
FLOORS NUMBER	4	5	7	10	13
BUILDING HEIGHT (H)	12 mt	15 mt	22 mt	30 mt	40 mt
MAX PUMP PRESSURE	min 2,5 bar	min 3 bar	min 3,5 bar	min 4,5 bar	min 5,5 bar

AUTOMATIC RESTART AND ANTI-JAMMING FUNCTION

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

LOGICPRESS PLUS R

It is different technically and aesthetically from the LOGICPRESS PLUS only 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	1,5 bar	2 bar	2,5 bar	3 bar
FLOORS NUMBER	5	6	8	10
BUILDING HEIGHT (H)	15 mt	20 mt	25 mt	30 mt
MAX PUMP PRESSURE	min 3 bar	min 3,5 bar	min 4 bar	min 4,5 bar



FIG.1

LOGICPRESS PLUS 24V

24 Volt direct current version ideal for use on campers, caravans, industrial vehicles, boats, photovoltaic systems, etc. On request it is also available in 12 Vdc version.



LOGICPRESS 3PHASE

DEVICE FOR CONTROL AND PROTECTION OF THE THREE-PHASE PUMP

Three-phase power supply 400 Vac.

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

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

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

Is 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.

MODELS AND TECHNICAL FEATURES

	LOGICPRESS 3PHASE	LOGICPRESS 3PHASE PLUS
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	IP 65	IP 65
Operating pressure max	12 bar	12 bar
Operating temperature max	50 °C	50 °C
Minimum flow	~1 l/min	~1 l/min
Male connections	Gc 1"1/4	Gc 1"1/4
Standard equipped cables	H07RN-F 4x1,5 mm ²	H07RN-F 4x1,5 mm ²
Certifications	TÜV SÜD	TÜV SÜD

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

PATENT PENDING 

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INSTALLATION AND STARTUP

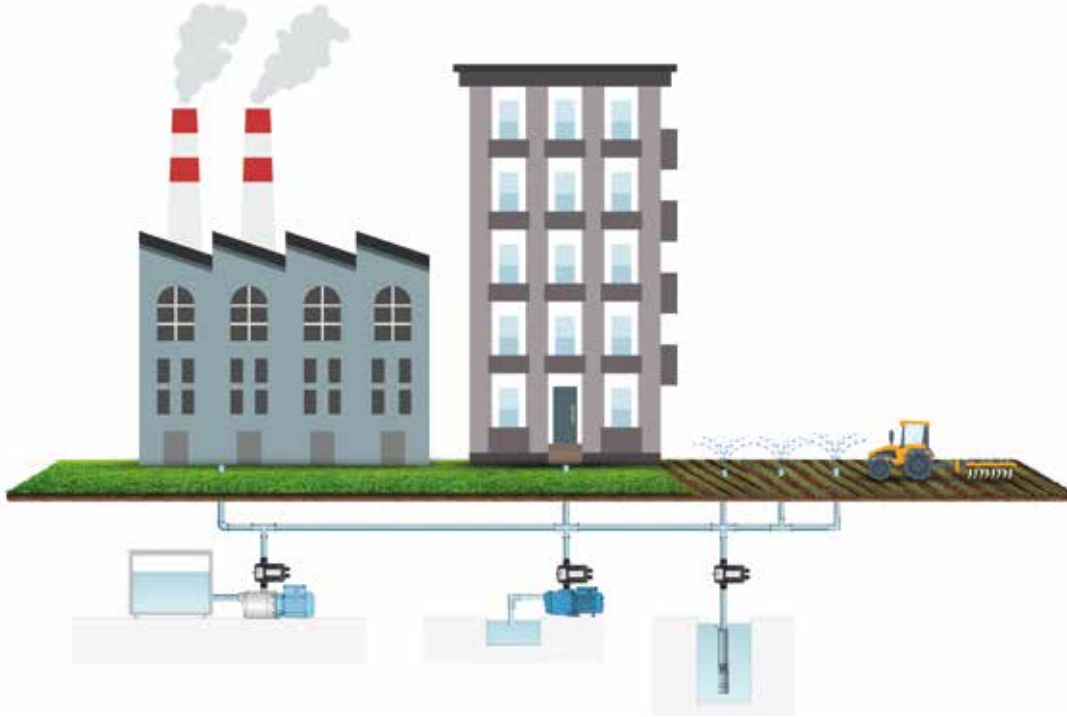
The device can be installed directly on the pump or between the pump and the first tap.

Make all the electrical connections, check that the pump is correctly primed, open a tap 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 water shortage, the device will stop the pump and protect it from dry running (red "Failure" led blinking).

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 1.5 bar.

On request, restart values different from the standard are available as indicated in the table.

 RESTART PRESSURE	1,2 bar	1,5 bar	2,2 bar	3 bar	4 bar
 FLOORS NUMBER	4	5	7	10	13
 BUILDING HEIGHT (H)	12 mt	15 mt	22 mt	30 mt	40 mt
 MAX PUMP PRESSURE	min 2,5 bar	min 3 bar	min 3,5 bar	min 4,5 bar	min 5,5 bar

AUTOMATIC RESTART AND ANTI-JAMMING FUNCTION

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.

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

LOGICPRESS 3PHASE PLUS

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

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

- Version with pressure gauge available on request.



LOGICONTROL

DEVICE FOR CONTROL AND PROTECTION OF THE PUMP

Can be energized with either 115 Vac or 230 Vac.

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

It allows to reduce the maximum pressure of the pump and to set the working pressure.

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

Is 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.

MODELS AND TECHNICAL FEATURES

	LOGICONTROL
Single-phase mains voltage	115/230 Vac
Acceptable voltage fluctuation	+/- 10%
Frequency	50/60 Hz
Current max.	16 A
Power max. at 115V	1,1 kW (1,5 HP)
Power max. at 230V	2,2 kW (3 HP)
Protection degree	3 - 6,5 bar
Operating pressure max	IP 65
Operating temperature max	12 bar
Minimum flow	65 °C
Pressure regulating range	~1 l/min
Male connections	Gc 1"1/4
Certifications	TÜV SÜD

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 STARTUP

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

Make all the electrical connections, check that the pump is correctly primed, open a tap and energize.

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

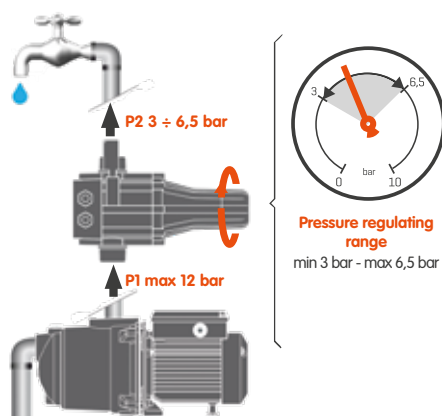
In case of water shortage, the device will stop the pump and protect it from dry running (red "Failure" led blinking).

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 3 to 6.5 bar). The restart value is directly proportional to the regulated pressure (see table).



SET PRESSURE	3 bar	3,5 bar	4 bar	4,5 bar	5 bar	5,5 bar	6 bar	6,5 bar
RESTART PRESSURE	1,2 bar	1,5 bar	2 bar	2,5 bar	3 bar	3,5 bar	4 bar	4,5 bar
FLOORS NUMBER	4	5	6	8	10	11	13	15
BUILDING HEIGHT (H)	12 mt	15 mt	12 mt	25 mt	30 mt	35 mt	40 mt	4,5 mt
MAX PUMP PRESSURE	min 4,5 bar	min 5 bar	min 5,5 bar	min 6 bar	min 6,5 bar	min 7 bar	min 7,5 bar	min 8 bar

AUTOMATIC RESTART AND ANTI-JAMMING FUNCTION

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.

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



LOGICONTROL 3PHASE

DEVICE FOR CONTROL AND PROTECTION OF THE THREE-PHASE PUMP

It can be supplied with three-phase 400 Vac.

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

It 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 a water shortage and protects it from dry running.

Is 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.

MODELS AND TECHNICAL FEATURES

	LOGICONTROL 3PHASE	LOGICONTROL 3PHASE PLUS
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	IP 65	IP 65
Operating pressure max	12 bar	12 bar
Operating temperature max	50 °C	50 °C
Minimum flow	~1 l/min	~1 l/min
Male connections	Gc 1"1/4	Gc 1"1/4
Standard equipped cables	H07RN-F 4x1,5 mm ²	H07RN-F 4x1,5 mm ²
Certifications	TÜV SÜD	TÜV SÜD


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

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INSTALLATION AND STARTUP

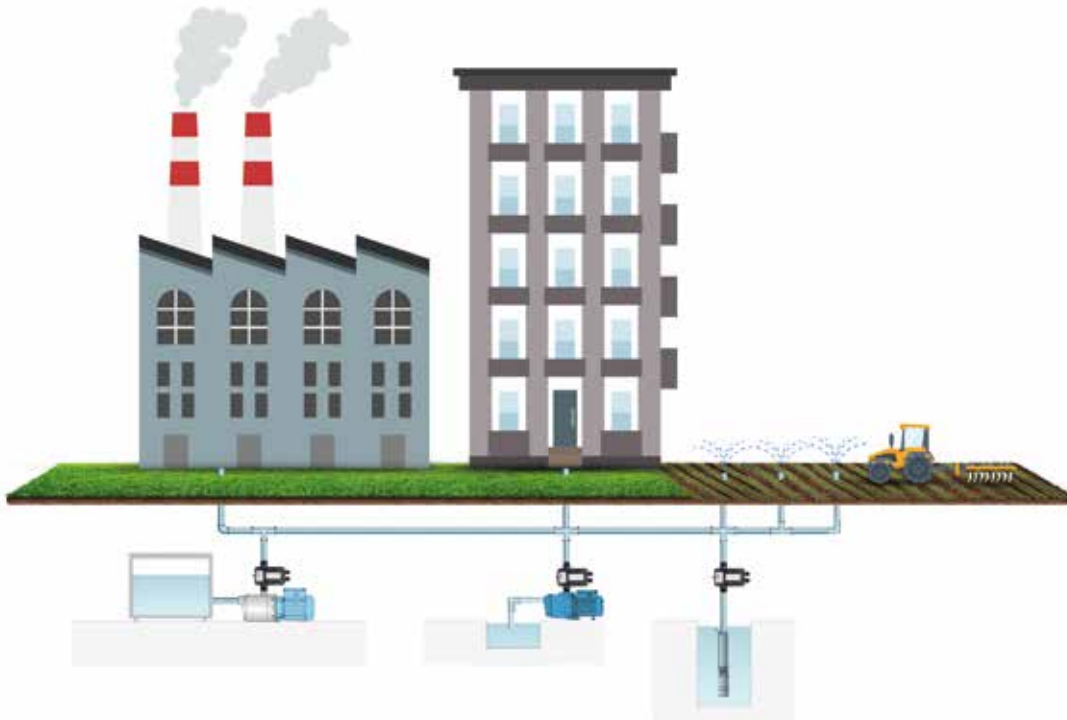
The device can be installed directly on the pump or between the pump and the first tap.

Make all the electrical connections, check that the pump is correctly primed, open a tap and energize.

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

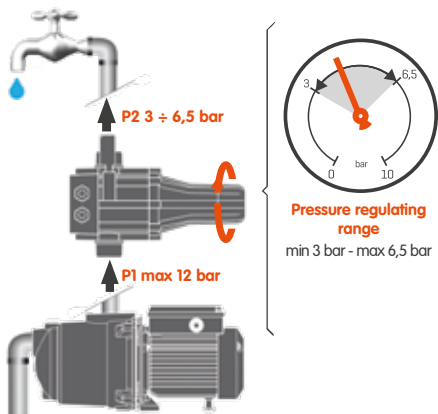
In case of water shortage, the device will stop the pump and protect it from dry running (red "Failure" led blinking).

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 3 to 6.5 bar). The restart value is directly proportional to the regulated pressure (see table).



SET PRESSURE	3 bar	3,5 bar	4 bar	4,5 bar	5 bar	5,5 bar	6 bar	6,5 bar
RESTART PRESSURE	1,2 bar	1,5 bar	2 bar	2,5 bar	3 bar	3,5 bar	4 bar	4,5 bar
FLOORS NUMBER	4	5	6	8	10	11	13	15
BUILDING HEIGHT (H)	12 mt	15 mt	12 mt	25 mt	30 mt	35 mt	40 mt	4,5 mt
MAX PUMP PRESSURE	min 4,5 bar	min 5 bar	min 5,5 bar	min 6 bar	min 6,5 bar	min 7 bar	min 7,5 bar	min 8 bar

AUTOMATIC RESTART AND ANTI-JAMMING FUNCTION

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.

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

LOGICONTROL 3PHASE PLUS

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

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.



LOGICPRESS ST

DEVICE FOR CONTROL AND PROTECTION OF THE PUMP




- Starts and stops the pump depending on opening and closing of the taps.
- Stops the pump in case of a 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.

MODELS AND TECHNICAL FEATURES

	LOGICPRESS ST
Power supply voltage	230 Vac
Acceptable voltage fluctuation	+/- 10%
Frequency	50/60 Hz
Current max	8 A
Power max	1,1 kW (1,5 HP)
Protection degree	IP 65
Operating pressure max	10 bar
Operating temperature max	60 °C
Minimum flow	~1 l/min
Male connections	Gc 1"
Certifications	TÜV SÜD

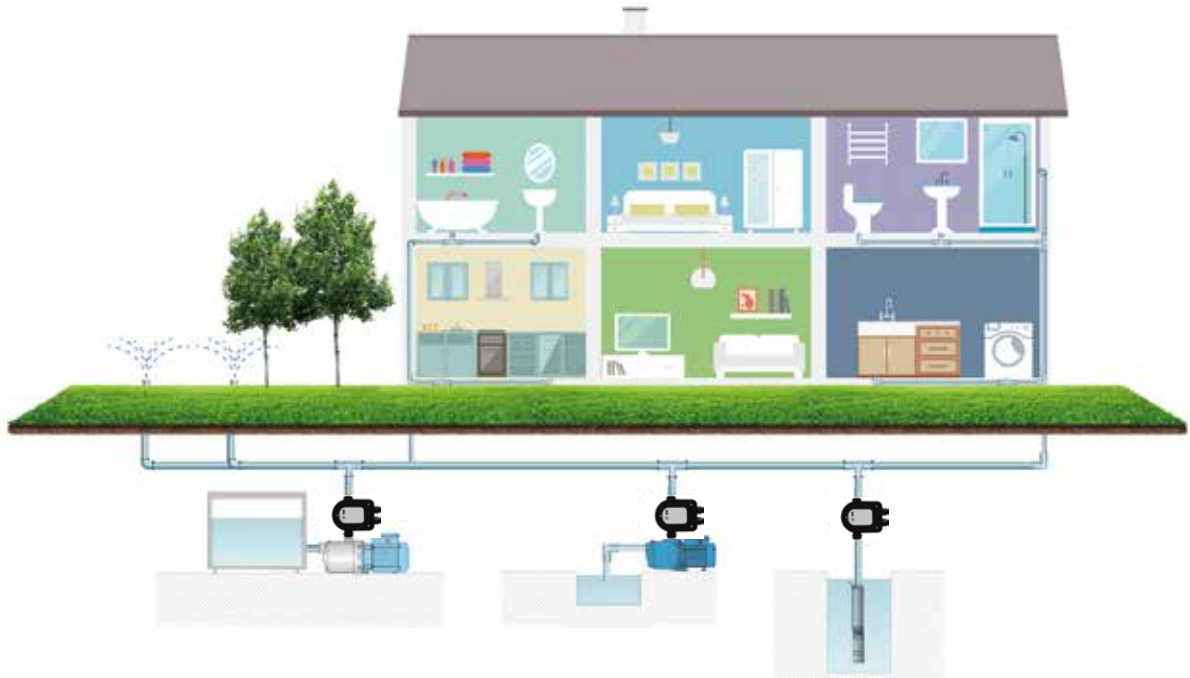
CONTROL PANEL

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 STARTUP

The device can be installed directly on the pump or between the pump and the first tap.
 Make all the electrical connections, check that the pump is correctly primed, open a tap 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 water shortage, the device will stop the pump and protect it from dry running.
 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 1.5 bar.
 On request, restart values different from the standard are available as indicated in the table.

 RESTART PRESSURE	1,2 bar	1,5 bar	2,2 bar	3 bar
 FLOORS NUMBER	4	5	7	10
 BUILDING HEIGHT (H)	12 mt	15 mt	22 mt	30 mt
 MAX PUMP PRESSURE	min 2,5 bar	min 3 bar	min 3,5 bar	min 4,5 bar

OPTIONALS

- Version 115 Vac on request.



LOGICFLOW

ELECTRONIC FLOWSWITCH

Can be energized with either 115 Vac or 230 Vac.

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

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




Maintenance free.

TECHNICAL FEATURES

	LOGICFLOW	LOGICFLOW <i>PLUS</i>
Power supply voltage	115/230 Vac	115/230 Vac
Acceptable voltage fluctuation	+/- 10%	+/- 10%
Frequency	50/60 Hz	50/60 Hz
Current max	8 A	8 A
Power max. at 115V	0,55 kW (0,75 HP)	0,55 kW (0,75 HP)
Power max. at 230V	1,1 kW (1,5 HP)	1,1 kW (1,5 HP)
Protection degree	IP 65	IP 65
Operating pressure max	16 bar	16 bar
Operating temperature max	65°C	65°C
Minimum flow	~0,5 l/min	~0,5 l/min
Male connections	Gc 1"	Gc 1"
Certifications	TÜV SÜD	TÜV SÜD

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 STARTUP

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

Make all the electrical connections, check that the pump is correctly primed, open a tap 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 tap must be installed lower than the tank (Fig. 1 - Fig. 2).

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

In case of water shortage, the device stops the pump protecting it from dry running.

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

This device can also be used for direct withdrawal from the water mains (Fig. 3).



FIG.1

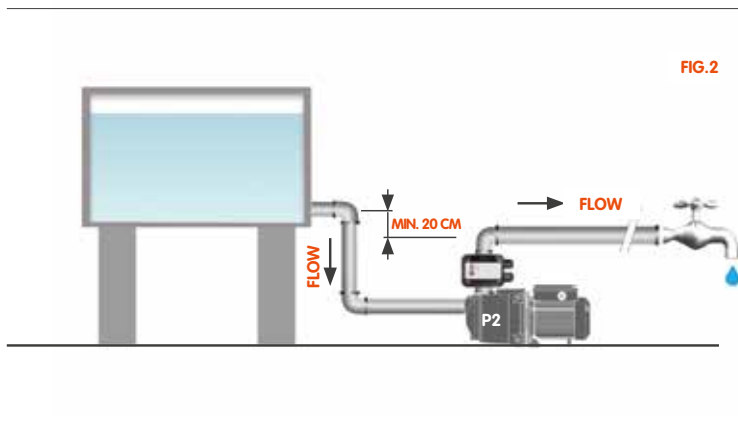


FIG.2

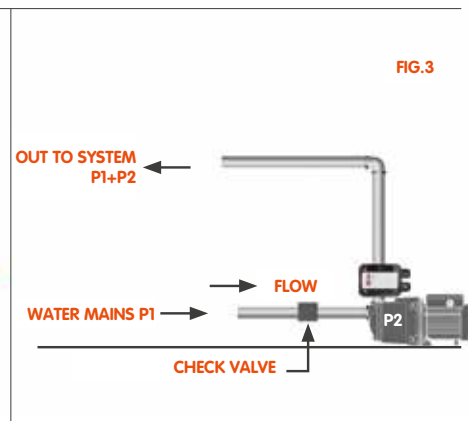


FIG.3

LOGICFLOW PLUS

The PLUS version is different from the standard LOGICFLOW due to the presence of automatic rearms 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 (fig.3).



LOGICSTOP

ELECTRONIC PUMP SAVER

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





Stops the pump and protects the motor in case of overcurrent.

MODELS AND TECHNICAL FEATURES

	LOGICSTOP	LOGICSTOP <i>PLUS</i>
Power supply voltage	230 Vac	230 Vac
Acceptable voltage fluctuation	+/- 10%	+/- 10%
Frequency	50 Hz	50 Hz
Pump motor current min / max	3 A / 8 A	6 A / 10 A
Operating temperature min / max	5°C / 45°C	5°C / 45°C
Ambient temperature max	55°C	55°C
Certifications	TÜV SÜD	TÜV SÜD

CONTROL PANEL

SIGNALING OF THE WORKING PHASES AND ANOMALIES

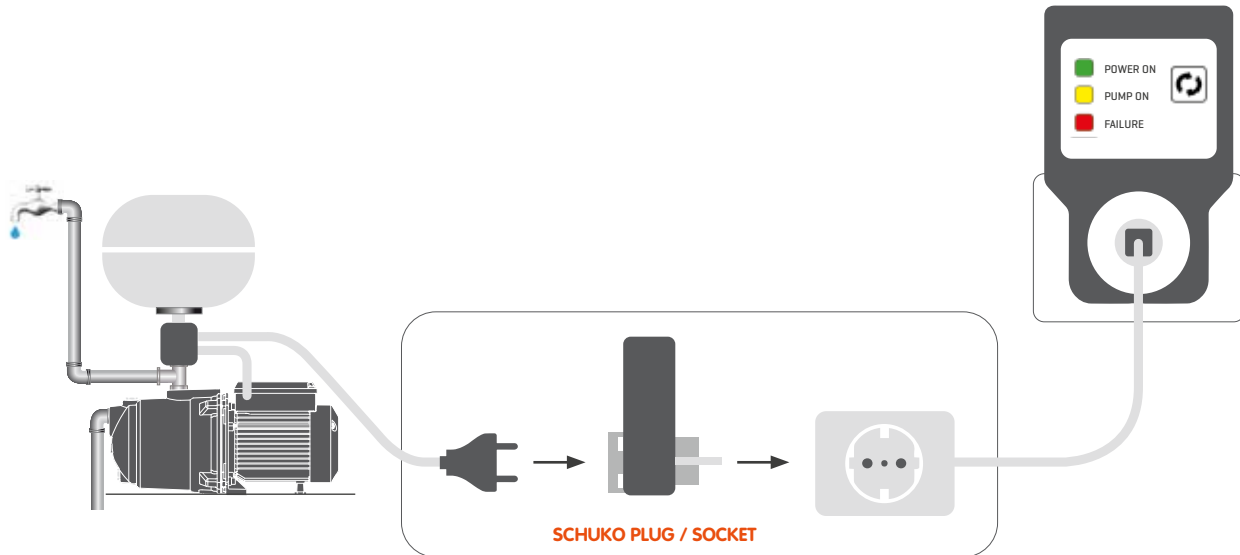
	POWER ON	Green led	On	Device energized
	PUMP ON	Yellow led	On	Pump running
	FAILURE	Red led	Blinking On	Water shortage Overcurrent
	RESTART	Button		Motor data acquisition Reset after failure

INSTALLATION

To operate, it must be connected to the power supply line of the pump.

For this reason, the power supply of the pump must be inserted in the device, which is then connected to the power socket.

EXAMPLE OF INSTALLATION



OPERATION

In case of water shortage, the device stops the pump protecting it from dry running. This failure is indicated with the blinking red Failure led.

In case of the current absorption exceeding 8 Ampere (or 10 Ampere for Pumpstop Up version), the device stops the pump motor and protects it against over-current. This failure is indicated with the red Failure led on.

To restore normal operation to the device and the system simply press the red Restart button.

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

LOGICSTOP PLUS

This is the enhanced version of the LOGICSTOP.

LOGICSTOP PLUS can be used on single-phase electric pumps with absorptions between 6 and 10 Ampere.

SPECIAL VERSIONS

LOGICSTOP IP65 / LOGICSTOP IP65 PLUS

- Logicstop e Logicstop Plus versions with IP65 degree of protection (see photo).

LOGICSTOP "AUSTRALIA"

- Version with Australian plug/socket.

LOGICSTOP INTEGRATO

- The "on-board" version of Logicstop, inserted directly into the terminal box cover of the pump.

Only made on request.



NEW



LOGIC PANEL

Control panel for the management of 1 or more pumps.

It can be used with either a digital pressure switch or a mechanical pressure switch.

It is equipped with 4 different working modes.

It stops the pump in case of lack of water and protects it from dry running.

Stops the pump in case of overcurrent and protects the motor.

It is equipped with automatic rearms and anti-jamming function.

Only one model for single-phase pumps from 0 to 3 HP.

Standard connection of floats or probes.

It is equipped with safety fuses.

Data transmission with NFC technology as standard.

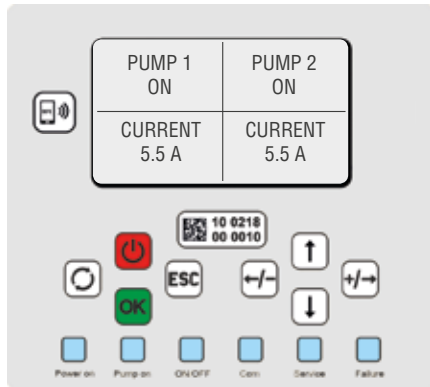
MODELS AND TECHNICAL FEATURES

	LOGIC PANEL
Power supply voltage	230 Vac
Acceptable voltage fluctuation	+/- 10%
Frequency	50/60 Hz
Current max	2 x 16 A
Power max	2 x 2,2 kW (2 x 3 HP)
Protection degree	IP 65
Operating pressure max	16 bar
Operating temperature max	60°C
Certifications	CE

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CONTROL AND SETTINGS PANEL

Setting up and starting Logic Panel is an extremely easy and intuitive operation thanks to the large and bright display that shows the information and the keyboard that allows to enter and modify the pump operating parameters rapidly.



The figure shows an example of displaying information divided into 4 quadrants:

- 1 - Pump 1 status
- 2 - Pump 2 status
- 3 - Pump 1 absorption in Ampere
- 4 - Pump 2 absorption in Ampere

	ON/OFF BUTTON	Starts and stops the pump
	ESC BUTTON	Return to main menu
	OK BUTTON	To access programming and confirm data entry
	RESTART BUTTON	Reset after fault
	UP ARROW	Menu scroll upwards
	RIGHT ARROW	Menu scrolling to the right and to increase parameter values
	DOWN ARROW	Menu scrolling downwards
	LEFT ARROW	Menu scrolling to the left and to decrease parameter values

- Power on** Voltage presence
- Pump on** Pump / Pumps running
- ON/OFF** Panel On or Off
- Com** Communication between devices is active
- Service** Request for maintenance
- Failure** Operation error



> Serial number and data matrix of the device



> Data transmission with NFC technology. Download our APP and place the mobile phone near the icon to transfer the information from the inverter to your smartphone.

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 lit even when the display turns off to allow the user to always have the status of the system under control.

INSTALLATION AND START-UP

Connect the pumps and the pressure sensor (or pressure switches) to the Logic Panel.

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

OPERATION

Logic Panel starts and stops the pump(s) according to the opening and closing of the outlets.

The unit 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 another stand-by pump.

The changeover respects the alternating sequence of all the devices.

AUTOMATIC RESTART AND ANTI-JAMMING FUNCTION

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.

If for any reason the pumps remain idle for 24 consecutive hours, the device will start the pump for about 5 seconds without affecting the normal operation of the pressure set.

USE WITH WALL SERIES INVERTERS

Logic Panel can be connected to a Wall Series inverter.

The inverter will start the first pump while the second pump is started by the Control Panel.

Each time the pump starts, the alternation between the pumps is guaranteed.

The first pump starting is always driven by the inverter.

USE WITH PRESSURE SWITCHES

Logic Panel can also be operated with mechanical pressure switches in two different modes:

- If Logic Panel is not equipped with a pressure sensor. The starting of the pumps is therefore managed by the pressure switches as on any electromechanical panel.
In this case, to protect the pumps from dry running, it will be necessary to use a safety float switch or a level probe kit.
- If Logic Panel is equipped with a pressure sensor. In this case, the pressure switches are activated by the Logic Panel only in case of emergency, i.e. only if the pressure sensor should fail.

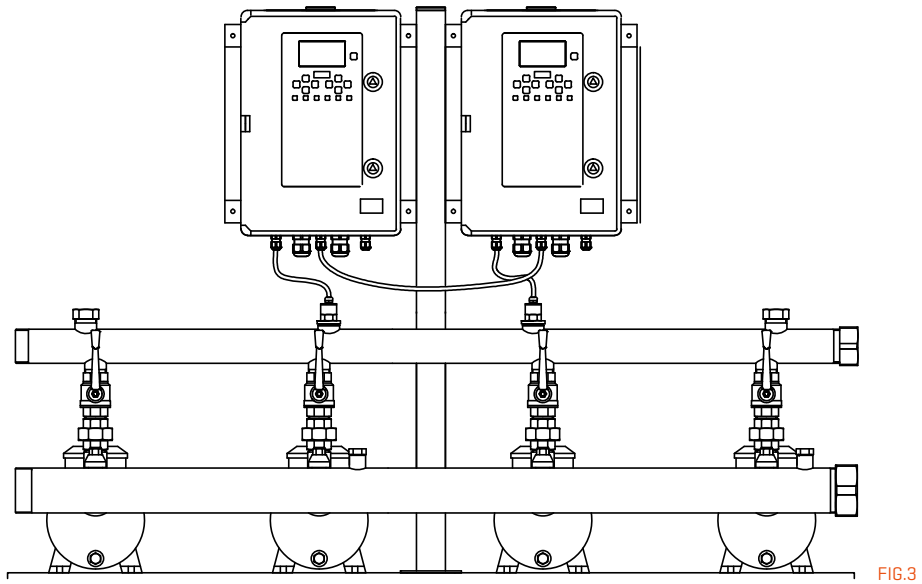
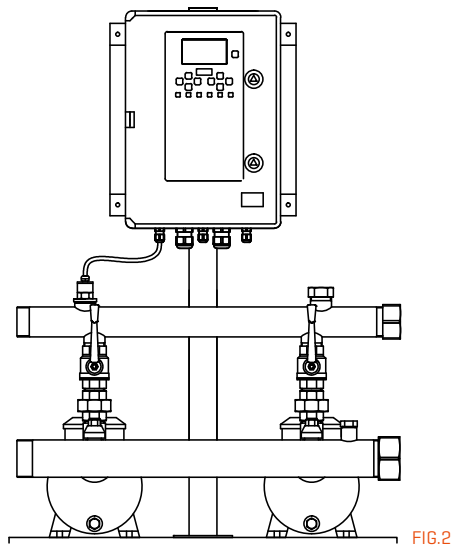
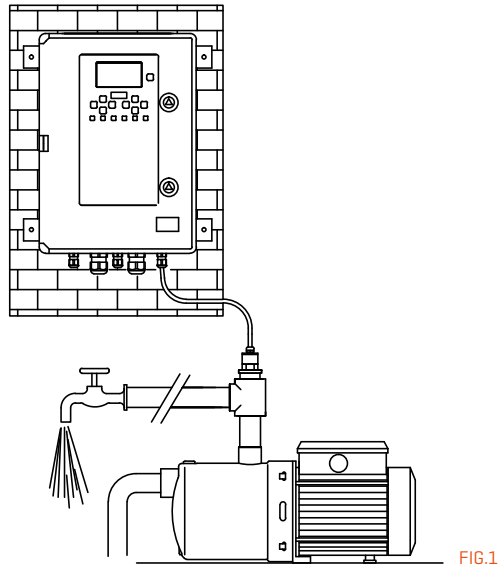
USE WITH GSM

Logic Panel can be connected to a GSM data transmitter for automatic transmission of the operating information.

See LOGIC GSM device on page 38 of the catalogue.

INSTALLATION EXAMPLES

Logic Panel allows to manage one pump (fig. 1), two pumps (fig. 2) or three or four pumps (fig. 3) by connecting two Logic Panels.



NEW



LOGIC GSM

Universal GSM device for data reception and transmission.

It is equipped with analog and digital inputs and outputs.

Programming by smartphone.

Programmable from Smartphone by means of a dedicated App with NFC technology.





Data transmission via SMS or NFC.

MODELS AND TECHNICAL FEATURES

Power supply voltage	230 Vac
Acceptable voltage fluctuation	+/- 10%
Frequency	50/60 Hz
Inputs	N.1 digital RS486 N.2 analogical
Outputs	N.2 analogical
Maximum operating temperature	60°C

CONTROL PANEL

SIGNALING OF THE WORKING PHASES AND ANOMALIES

 POWER ON	Device energized
 NETWORK	GSM network available
 DATA TRANSFER	Data transfer
 COM	Communication between devices is active

CE
Made in Italy

LOGIC GSM

Compatible with any type of data SIM card on the market, allows to send personalized messages to up to three phone numbers set by the user through Smartphone.


Logic GSM can be connected to the inverters and Logic Panel in the Treviengineering catalogue.

It can also be connected to any commercial device (inverter, control panel, etc.) as long as it is equipped with analog/digital inputs/outputs.

In this case it is possible to customize the information to be sent through the App.

INSTALLATION AND START-UP

Download the TREVITECH App for programming and reading the operating parameters.

Power up the device, start the TREVITECH App and place the Smartphone near the icon 

Now you can program all the operating parameters via your Smartphone.

Once all the fields of the App have been filled in, place the Smartphone near the device again to program Logic GSM.

Now all you have to do is connect the device to the pump or the pressure-set and energize it.

OPERATION

Connected to a inverter from the Wall / Wall Pro range and to the Logic Panel it is able to send an SMS with the same operating information that will appear on the display of the devices.

Connected to commercial devices, it will send the message programmed by the user during installation.

EXAMPLE OF INSTALLATION

The following figure shows a typical example of installation.

If the pressure-set to which Logic GSM must be connected is located in a room without a network signal, the device can be moved until it indicates the presence of a network by turning on the Network LED.





by



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