



PEDROLLO®

LOGICFLOW



ELECTRONIC FLOWSWITCH

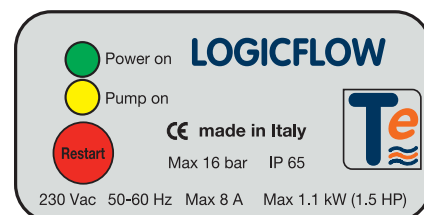
Starts and stops the pump and protects it from dry running

Technical features

Single-phase mains voltage	230 Vac	Maximum operating pressure	8 bar
Acceptable voltage fluctuations	+/- 10%	Minimum flow	1 l/min
Frequency	50 Hz	Maximum Operating temperature	60° C
Maximum pump motor current	8 A	Protection degree	IP 65
Maximum pump motor power	1,1 kW (1,5 HP)	Male connections	1"

Control panel

OPERATING PHASES		
Power on	Green Led on	Power on
Pump on	Yellow Led on	Pump on
Restart	Red button	Serves for resetting the device and the system in the case of the pump stopping



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Operation

The LOGICFLOW controller is designed to automate the operation of an electric pump by sensing the water movement in systems that have some flow due to gravity. The opening of a tap/valve will cause a small flow of water that is detected by the unit and the pump is started, closing the tap will stop the water flow and the pump stops.

NOTE: For systems that have no or insufficient gravity flow the BRIO2000M controller should be used.

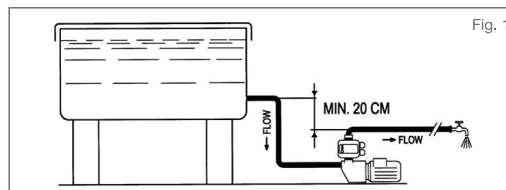
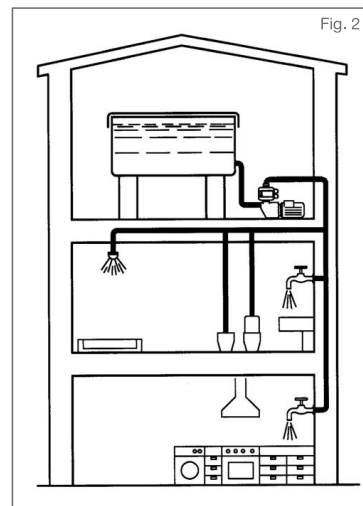
The unit will also protect the pump from dry running in the event of water supply failure. To restore normal operation to the device and the system simply press the red "Restart" button. In case of power failure, it will automatically reset again a few seconds after the electricity returns.

The LOGICFLOW is designed for use on clean water (if there is the possibility of sediment, a suitable filter should be installed before the unit).

Made from a high quality engineering plastic, it can be used for a variety of domestic and commercial water-boosting applications providing there is a positive head.

For correct operation the system must have a minimum height difference of 20cm between the supply tank water head and the tap (or showerhead etc.) at the point of use. (See Fig 1 and 2)

LOGICFLOW controllers are suitable for use in pairs to operate shower pumps on hot (max 60° c) and cold supplies, subject to the maximum electrical load (8 amps) not being exceeded. They should be connected together in parallel.



Installation

Mechanical

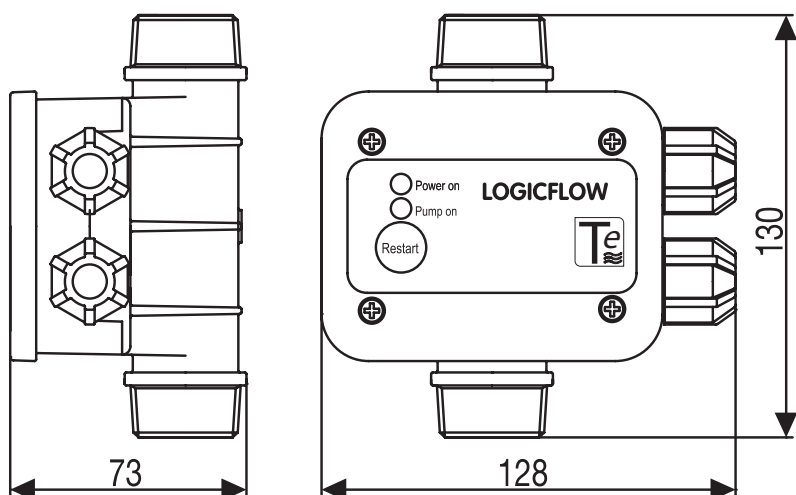
The LOGICFLOW unit is normally fitted directly onto the outlet of the pump although it is acceptable to fit it into the pipework anywhere between the pump and the first outlet. The unit **MUST** be installed vertically, it is essential that the correct direction of flow (arrowed on the body of the unit) is observed. It should not be used for any installation where the unit may be subject to more than 8 bar pressure.

Electrical

The LOGICFLOW unit should be wired as per the wiring diagram below - is maintenance free and requires no initial setting up or adjustment.

Manufactured in Europe to the highest quality standards. CE certificated

Dimensions



Wiring

