

LOGICFLOW • LOGICPRESS

ELECTRONIC CONTROL



STANDARD FEATURES

- INTEGRAL DRY RUN PUMP PROTECTION
- EXTERNAL RE-SET SWITCHES
- POWER BLACK-OUT AUTO RESET
- PUMP STATUS LEDS
- INTEGRAL NON-RETURN VALVES
- 400V 3PH OPTIONS
- IP65

Logic is a series of electronic pressure switches that will control and protect an electric pump. They will start a pump immediately when a valve in the pipe system is opened and stop the pump immediately when the valve is closed. They maintain a constant system pressure, protect a pump from dry running and reduce the effects of water hammer. They are fitted with non-return valves and have a simple user interface for system status and re-set. They can be fitted to any surface mounted pump, or in the delivery line of any submersible, that operates within the rated pressure and flow and motor specifications. There are seven models in the range, which are manufactured by Trevitech of Italy, who also produce the Watertech models Presscontrol, Presscontrol TIME and Mascontrol.

Logicpress features:

- Automatic reset function: pump protection from dry running but with automatic reset, enabling the pump to operate normally again during a condition where the lack of water may have only been temporary. In this situation, a conventional pressure controller would switch off and the system would require a manual reset, which could cause inconvenience. Both devices are designed to make 10 attempts to start over a 24 hour period. On the 10th attempt, if the condition still exists i.e. it is not temporary, it switches off. A system inspection and manual reset is then required.
- Daily pump test function: if for any reason the pump remains idle for 24 consecutive hours, both devices are designed to start up the pump for about 5 seconds. This helps to avoid various problems associated with pumps inactive for long periods.
- Dual voltage: It can be operated at 110 volts or 230 volts and with 400 volts 3 phase (with a contactor).

Application conditions are:

- The column of water between the switch and the highest outlet must not exceed 15 metres (1.5bar) – the “restart pressure value setting” - otherwise the system pressure may not fall to the pre-set “cut in” pressure and the system will not restart. This value is pre-set at factory, so no additional programming is required, or possible, during installation.
- Minimum flow required inwards is 1 litre per minute.
- It must be operated vertically.



Logicpress



Logicpress (M)

Logicpress(M): this is the same product as the Logicpress, but with a factory fitted Manometer pressure gauge (M).



Logicflow

Logicflow: for surface mounted pumps only in applications of positive suction i.e. underneath a tank or direct withdrawal from the mains water supply. It will start a pump immediately when a valve in the pipe system is opened and stop the pump immediately when the valve is closed. It has integral dry running protection an external re-set switch, pump status LEDs, power black-out auto reset, dual voltage (110-230v) and has IP65 protection. Minimum flow required inwards is 0.5 litres per minute.