

## LOGIC FLOW • LOGICPRESS



### ELECTRONIC CONTROL

**Logicpress** electronic pressure switches 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 will keep a constant system pressure and reduce the effects of water hammer. Electronic pressure switches can be fitted to any surface mounted pump, or in the delivery line of any submersible that operates within the rated pressure, flow and motor specifications.

The **Logicpress** range is made in Italy and incorporates two controllers: these are **Logicpress** and **Logicpress SET** and they supersede the **Presscontrol** and **Presscontrol TIME** seen in our 2012 catalogue. Both combine all the features of these models in each device, with these additional enhanced user and system benefits:

#### Standard features are:

- integral dry run pump protection
- external re-set switches
- power black-out auto reset
- pump status LEDs
- integral non-return valves
- suitable with 400v 3PH (with a contactor)
- IP65

**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 (e.g. **Presscontrol**) 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:** Both devices are designed to be operated at 110v or 230v.

**Optional pressure gauge:** Both devices can be supplied with a factory fitted, pressure gauge, or this can be supplied separately for retro-fitting. Models with this fitted have suffix "**(M)**" and as a spare part it is called "**Manometer**".

**Logicpress:** This directly supersedes the **Presscontrol**, seen in our 2012 catalogue, but with the extra features above. 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. Optional pressure gauge (M).

**Logicpress Set:** this is the same as the Logicpress but with three pre-programmed restart pressure settings of 1.5, 2.0 and 2.5 bar, which can be programmed by the user. This feature enables the user to purchase one device for a range of duties. It must be operated vertically. Minimum flow required inwards is 1 litre per minute. Optional pressure gauge (M).

**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.



**Manometer**



**Logicflow**



**Logicpress**



**Logicpress (M)**



**Logicpress SET**



**Logicpress SET (M)**

model	in/out (BSPM)	volt	amps max	max flowrate (l/min)	temp max C°	max operating pressure (bar)	pump start pressure (bar)	w x l x h (mm)	dry weight (kgs)	packing weight (kgs)	Price (£)	code
Logicflow	1"	110-230	16 • 8	150	65	16	1.5	130x750x100	0.35	0.45	34.00	4
Logicpress	1"	110-230	16 • 8	133	65	12	1.5	140x190x110	1.00	1.11	59.00	4
Logicpress(M)	1"	110-230	16 • 8	133	65	12	1.5	190x190x110	1.10	1.21	67.00	4
Logicpress SET	1"	110-230	16 • 8	133	65	12	1.5 - 2.0 - 2.5	140x190x110	1.01	1.12	72.00	4
Logicpress SET(M)	1"	110-230	16 • 8	133	65	12	1.5 - 2.0 - 2.5	190x190x110	1.10	1.22	80.00	4
Optional extra, for retrofitting, Manometer pressure gauge c/w O ring								50x35x45	0.09	0.10	10.00	4