



LEVEL SWITCHES • VALVES

ELECTRICAL & MECHANICAL

Probes, used in conjunction with probe wire, and controlled by a **Multi 1** control panel (see page 102), are used for precise water level control. A probe can control the water level down to 5mm. Probes are also necessary when there is insufficient space available for traditional pendant or tube float switches to operate. A minimum of three probes is required: on/off/common. Suitable for use with single and three phase pumps.



Probe

The **Switch₂O** has been designed specifically for use with the **LSC1.4S** residue pump utilizing a **Multi 1** control panel (optional extra-see page 102) for controlling low water levels. 3 probes, in 304 stainless steel, are set in an epoxy-resin filled holder and they represent on, off and common. "On" must be cut to a position 50mm to 15mm, from the base of the pump and the "off" cut to a position from 40mm to 5mm from the base of the pump. In any application, these two probes must have a minimum difference of 10mm. "Common" must always be below the level of the "off" probe. It is supplied with 10 metres of low voltage, PVC power cable.



Switch₂O and panel
(typical arrangement)

QuickStop flow regulators are designed as a replacement to conventional ballcock valves in water tanks to protect booster pumps, with high-speed opening and closing of the integral valve. These "advanced" models are fully adjustable, so sensitivity and activation levels can be changed by altering the angle of the swivel joint and the length of the float-arm. In addition to use with pump, they are also suitable for gravity fed system. Constructed in polycarbonate and stainless steel for operation in liquids up to 50C°, working pressures 0.2 bar to 6 bar, over pressure 10 bar. Dimensions (mm): 240x80x50.

item code	type	unit	dry weight (kgs)
12-40-1013	Pendant	each	0.32
12-40-1021	Agma	each	1.50
10-40-1003	Sensor (0.40 to 0.48kW x 110 volts)	each	0.60
10-40-1005	Sensor (0.75kW x 110 volts)	each	0.60
10-40-1001	Sensor (0.40 to 0.75kw x 230 volts)	each	0.60
10-40-1002	Sensor extension kit, 70mm	each	0.15
10-40-1000	Sensor extension kit, 170mm	each	0.64
12-40-1016	Remex	each	0.75
17-40-1035	Gravity	each	0.40
16-40-1001	Switch ₂ O (exc. panel)	each	0.53
17-40-1002	Probe	each	0.05
17-40-1017	Probe wire	per metre	0.01
17-40-1027	Quickstop flow regulator 3/4"	each	0.50
17-40-1030	Quickstop flow regulator 1"	each	0.50
17-40-1032	Quickstop flow regulator 1.1/4"	each	0.50
17-40-1036	Quickstop flow regulator 1.1/2"	each	0.50



Quickstop

BRIO

ELECTRONIC PRESSURE SWITCH

The **Brio** uses the same system and has the same features as **Logicpress** (see page 98), however, the initial cut in pressure can be altered (by removing the cover and turning the adjuster) between 1.5 and 3.5 bar and it can be operated vertically or horizontally. It is also has a pressure gauge, which allows the starting pressure value and system pressure to be checked. It can be used in conjunction with shower pumps in installations where there is a negative head, i.e. the shower head is above the water level in the cold water tank, and also where the pumps are supplying several outlets at once e.g. body jets, or domestic water supplies. It also has a built in timer which will automatically try to reset itself every 30 minutes in the event of a previous shut down due to lack of water. Suitable for pumps with 230v motors that do not exceed 1.5kW and 110v motors that do not exceed 0.75kW. Reset device not available on 110v.



Brio 2000M

item code	model	in/out (BSPM)	volt	amps (max)	flowrate (max l/min)	temp (max c°)	min-max pressure	pump start pressure/ operating range	w x l x h (mm)	dry weight (kgs)
17-40-1005	Brio 2000M	1"	110 • 230	12	80	55	1 - 10 bar	1 - 3.5 bar	100x160x100	0.7