

TECHNICAL BRIEFING SHEET 02-04

AQUA LEVEL – OVERFLOW CHECK

GENERAL DESCRIPTION

An electrically operated self-contained overflow warning device.

The unit incorporates an Electro-Optic Sensor which should be mounted either in the side or roof of a water tank via the UPVC pre assembled mounting supplied.

A control box with LED mains ‘on’ indicator light also has connection points for mains electrical supply, sensor connection and output signal connection (for alarm). A volt free BMS output is also available as an option in addition to the alarm output if required (at extra cost).

TANK CONNECTION

Roof mounted option (Model AQUA LVL-R)

Via a 600mm long UPVC sealed tube with sensor fitted to one end.

The tube is threaded 450mm of its length to allow sensor to be set at the required distance above the water line when the float valve to the tank is closed.

Side mounted option (Model AQUA LVL-S)

Via a UPVC tank connector with an elbow and short length of tube which houses the sensor.

The tank connector should be fitted at a suitable level to allow the sensor to be set at the required distance above the water line when the float valve to the tank is closed.

CONTROL BOX

ABS control box (195mm x 110mm x 70mm) is supplied with mounting bracket.

The Electro-Optic Sensor and mains ‘in’ connections plus alarm and (where applicable) BMS ‘out’ connections are via a standard locking style sheathed connector.

Connection to the control box should be via a 13 amp double pole spur.

ELECTRO OPTIC SENSOR

Material:	Polysulphone (wras/wrc approved)
Operating temperature:	minus 17.8 deg C to plus 80 deg C
Operating pressure:	10 bar maximum
Current consumption:	18mA
Input power:	10-28 volt DC