

# LEVEL & LEAK DETECTION

## WATER SENSOR / SWITCH AQUASWITCH



### DESCRIPTION

The **AquaSwitch** is a rising water liquid level detector. Its solid state electronic sensing is not affected by oil film, metal trays, or by being slightly off the vertical mounting position. The small footprint (4 x 5 cm) and the low switching level means that the **AquaSwitch** may be mounted in the smallest of reservoirs. The built-in isolated relay switches loads up to 1250VA. This allows the user to select the **AquaSwitch** to directly switch pumps and solenoids or interface into other circuit controls. The built-in delay to off timer may be used to allow water being drained or pumped to be fully vacated or just to prevent nuisance switching.

The relay is normally energized when the power supply is switched on and no water is present. When water rises up the side of the box to reach the switching level, the relay drops out. This sequence is failsafe, allowing each model to be used as a water spillage alarm switch or to turn off a valve or an air conditioning unit before the water overflows its containment. No moving parts, switching capacity 250V, 5 Amps.



AquaSwitch

### FEATURES

- **IPX7 Occasional submersion. Max immersion for less than 30 minutes and at a depth of less than 1 meter.**
- **Switching capability 5A at 240 VAC**

**WARNING:** Although the AquaSwitch is totally encapsulated and resistant to water ingress when used as intended (to detect rising water levels), it should not be installed where the encapsulated surface is permanently under water.

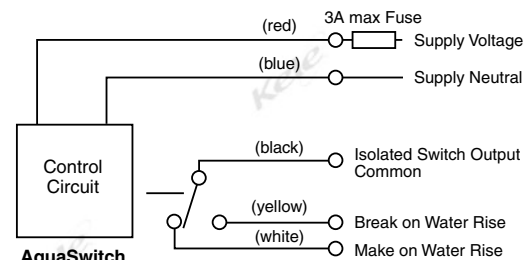
### SPECIFICATIONS

<b>Supply Voltage</b>	
3001523	95-254V 50/60 Hz, 2W
3001525	24 VAC/VDC 50/60 Hz
3000542	24 VAC/VDC 50/60 Hz
3000543	24 VAC/VDC 50/60 Hz
3000535	98-254 VAC
<b>Replay Type</b>	SPDT
<b>Relay Rating</b>	240 VAC 50/60 Hz, 5A; 24 VDC, 2.5A
<b>Switch Off Level</b>	0.32" (0.8 cm) nominal
<b>Switch On Level</b>	0.40" (1 cm) nominal
<b>Cable Length</b>	
3001523/3001525	1.5 ft (0.43 m)
3000535/3000542	10 ft (3.0 m)
3000543	5 ft (1.5 m)
<b>Operating Temperature</b>	32° to 158°F (0° to 70°C)
<b>Enclosure Rating</b>	IPX7
<b>Wiring</b>	5 wire
<b>Mounting</b>	screw slots or double stick tape
<b>Dimensions</b>	1.21"H x 2.0"W x 1.25"L (3.0 x 5.0 x 3.1 cm)
<b>Weight</b>	
AQS	0.37 lb (0.17 Kg)
LDI	0.1 lb (0.05 Kg)
<b>Approvals</b>	CE
<b>Warranty</b>	2 years

### INSTALLATION

A piece of double-sided tape is fitted to the base of each model and can be used to fix it to the surface being protected. Clean the mounting surface thoroughly to ensure good adhesion. Pull off the protective paper covering and press the models down into position. The AquaSwitch models also have slots for mounting with #4 self-tapping screws.

### WIRING



Note: Relay is energized to make black and yellow when powered-up and dry.

### ORDERING INFORMATION

MODEL	DESCRIPTION
3001523	Water sensor block, 90-254 VAC, 1.5 ft lead
3001525	Water sensor block, 24 VAC, 1.5 ft lead
3000535	Water sensor block, 95-254 VAC, 10 ft lead
3000542	Water sensor block, 24 VAC, 10 ft lead
3000543	Water sensor block, 24 VAC, 5 ft lead