

LEVEL



WATER SENSOR / SWITCH MODEL LD1-24, AQS00660, AQS00661

DESCRIPTION

The **Model LD1-24** and the **AQS** models are small, electronic control relays for detecting a rising water level. Inside a waterproof enclosure, each model features a medium-power relay that is operated by water reaching the trip level and can be used to control alarms or other equipment.

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 stop an air conditioning unit before the water overflows its containment.

FEATURES

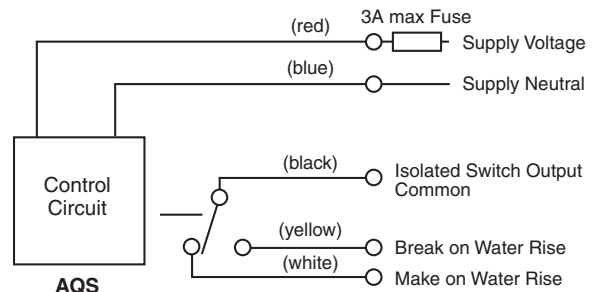
- **All components safely encapsulated against moisture ingress**
- **Switching capability 5A at 240 VAC**



AQS

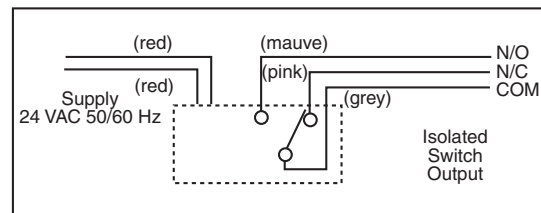
LD1-24

WIRING



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

AQS00660, AQS00661
95-254V 50/60 Hz
(24V 50/60 Hz or DC)



Note: Relay contacts shown in alarm (or power-off) condition.

LD1-24

WARNING: Although the LD1-24 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

Power supply	
LD1-24	24 VAC, 50/60 Hz
AQS00660	95-254V 50/60 Hz
AQS00661	24 VAC/VDC 50/60 Hz
Input power	Approx. 1W
Switch-off height	0.43" (1.1 cm) nominal
Switch-on (reset) level	0.31" (0.8 cm) nominal
Output relay rating	240V, 50/60 Hz, 5A 24 VDC, 2.5A
Dimensions	
AQS	1.2"H x 2"W x 1.25"L (3.0 x 5.0 x 3.1 cm)
LD1	0.87"H x 2"W x 1.25"L (2.2 x 5.0 x 3.1 cm)
Cable Length	
AQS	5' (1.524 m)
LD1	18" (0.457 m)

INSTALLATION / MOUNTING

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 **AQS** models also have slots for mounting with #4 self-tapping screws.

ORDERING INFORMATION

MODEL	DESCRIPTION
LD1-24	24 VAC water sensor/switch
AQS00661	24 VAC/VDC water sensor/switch
AQS00660	95-254 VAC water sensor/switch