



# LEVEL & LEAK DETECTION

## WATER SENSOR / SWITCH

**AQS00660, AQS00661, LD1-24**

### 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, which 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 an air conditioning unit before the water overflows its containment.

### FEATURES

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

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

### SPECIFICATIONS

#### Supply Voltage

<b>AQS00660</b>	95-254V 50/60 Hz, 2W
<b>AQS00661</b>	24 VAC/VDC 50/60 Hz
<b>LD1-24</b>	24 VAC, 50/60 Hz

#### Relay Output Rating

240 VAC 50/60 Hz, 5A; 24 VDC, 2.5A

#### Switch Off Level

<b>AQS00660/1</b>	0.32" (0.8 cm) nominal
<b>LD1-24</b>	0.43" (1.1 cm) nominal

#### Switch On Level

<b>AQS00660/1</b>	0.40" (1 cm) nominal
<b>LD1-24</b>	0.31" (0.8 cm) nominal

#### Operating Temperature

32° to 158°F (0° to 70°C)

#### Cable Length

**AQS00660/1** 5 ft (1.5m)

**LD1-24** 18" (0.46m)

#### Dimensions

**AQS00660** 1.2"H x 2.0"W x 1.25"L (3.0 x 5.0 x 3.1 cm)

**AQS00661** 1.2"H x 2.0"W x 1.25"L (3.0 x 5.0 x 3.1 cm)

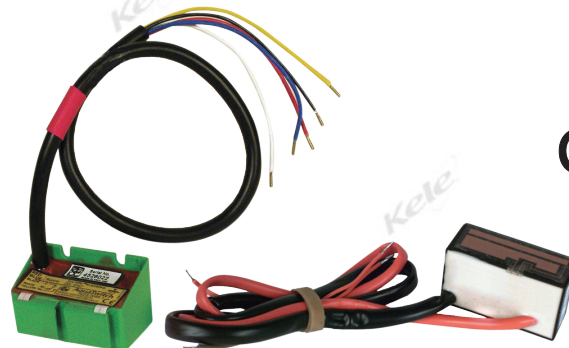
**LD1-24** 0.9"H x 2.0"W x 1.25"L (2.2 x 5.0 x 3.1 cm)

#### Approvals

CE

#### Warranty

1 year

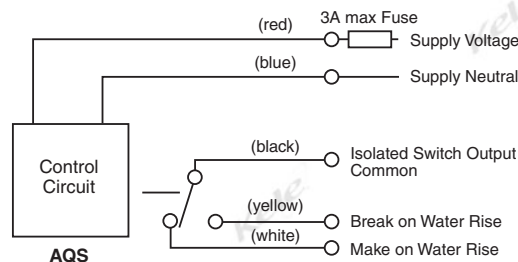


AQS

LDI-24



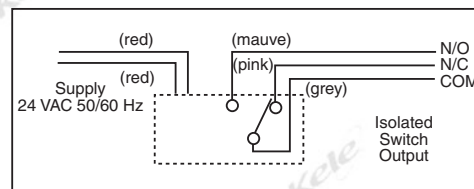
### WIRING



AQS

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

**AQS00660: 95-254V 50/60 Hz**  
**AQS00661: 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.

### ORDERING INFORMATION

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