



### Product Overview

The AX-WLD2 is a range of two zone water leak detection DIN rail mountable modules. Used with either a rain sensor, water-point sensor or cable sensor, this module can have a total of 200m of cable connected to each input (cable and header). The excitation signal generated by the unit for the sensor connections ensures that the sensors do not degrade when exposed to damp for long periods. A relay output provides an alarm signal to a remote alarm annunciator or a BMS system. The sensitivity is adjustable to ensure false returns are not given. An integrated alarm buzzer is available as an option.

### Features

- A total of 200m cable on each zone
- Can take inputs from a mixture of cable sensors, rain sensors or point sensors
- Adjustable sensitivity on each zone
- LED indication of each channel alarm
- Change-over contacts on relay output for connection to BMS or Alarm annunciator
- Integrated audible alarm option

### Product Specifications

Supply:	WLD2-24	24Vac @ 50Hz ±10% and 24Vdc ±10% at 50mA max
	WLD2-230	230Vac @ 50Hz ±15%
Relay:		SPCO
Contact Rating:		NO contact 5A, NC contact 3A at 250Vac, resistive load
Sensor Inputs:		Two sets of terminals (each can take more than one sensor)
Sensor Types:		Cable, Point or Rain (AX-WCS, AX-WPS, AX-WRS1)
Maximum Cable Length Per Input:		200m
Sensor LED Status:		ON when alarm detected. 1 for each channel
Relay LED Status:		ON when alarm detected
Alarm Hysteresis:		Dependant on sensitivity setting
Audible Alarm Output:	Only on -A version	75db @ 10cm (when fitted)
Electrical Connections:		Rising cage terminals for 0.5-2.5mm <sup>2</sup> cable
Dimensions / Weight:	WLD2-24	82 x 45 x 47mm / 53gms
	WLD2-230	82 x 68 x 47mm / 155gms
Ambient Temperature Range:		-10 to +50°C, 0-90% RH condensing
Country of Origin:		United Kingdom

### Order Codes

AX-WLD2-24	Two zone water leak detection module 24V
AX-WLD2-24-L	Two zone water leak detection module 24V, latching
AX-WLD2-24-A	Two zone water leak detection module 24V c/w alarm buzzer
AX-WLD2-24-LA	Two zone water leak detection module 24V c/w alarm buzzer, latching
AX-WLD2-230	Two zone water leak detection module 230Vac
AX-WLD2-230-A	Two zone water leak detection module 230Vac c/w alarm buzzer
-E	Add -E for optional enclosure, e.g. AX-WLD2-230-E

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### Safety note:

Prior to installation ensure that all power sources are disconnected and locked out and remain locked out during installation and set-up, as severe injury or death can result from Electric Shock due to contact with High Voltage Conductors. Ensure all installations are in compliance with applicable electrical codes and that the installation is carried out by qualified installers familiar with the relevant standards and proper safety procedures for high voltage installations. Never rely on status indication on any device to determine if power is present.

### Installation

#### Mounting

Mount the AX-WLD2 taking care not to stress the PCB when fitting to the DIN Rail. If it is necessary remove the module from the DIN rail. Ensure you use a flat bladed screwdriver to release the DIN clips.

#### Sensitivity

Power the AX-WLD2 and adjust the sensitivity potentiometers on each input by turning anti-clockwise until the 'Sensor LED' illuminates, and then clockwise until the 'Sensor LED' extinguishes. Less sensitivity may be needed when long runs of cable are used. Where short cables are used the LED may not illuminate even when set to maximum sensitivity.

#### Testing

To test the installation put a wet cloth over the cable to simulate a water leak, the relay will switch on. (Indicated by the 'Relay LED'). Remove the cloth and when the cable dries the relay will go off (None -LA variant).

#### Relay and sounder actions

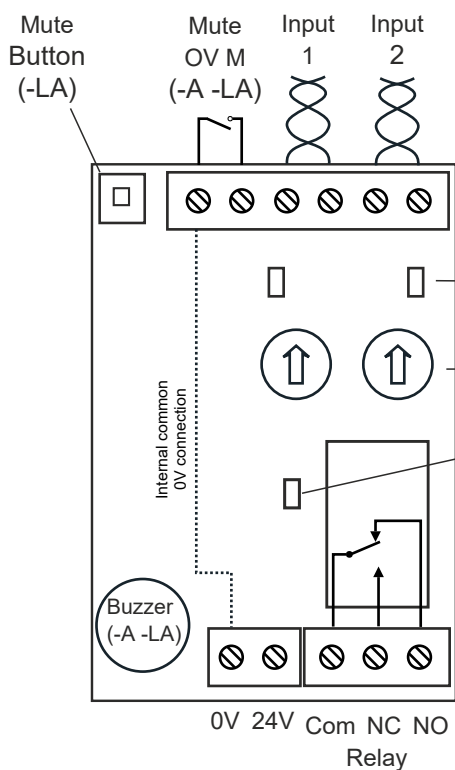
The relay and sensor LED switch on when sensor cable wet and off when sensor cable dry, not changed by mute input.

The sounder switches on when sensor cable wet and off when sensor cable dry. This can be silenced by shorting the mute input and will not sound again until after the sensor cable has dried and becomes wet again.

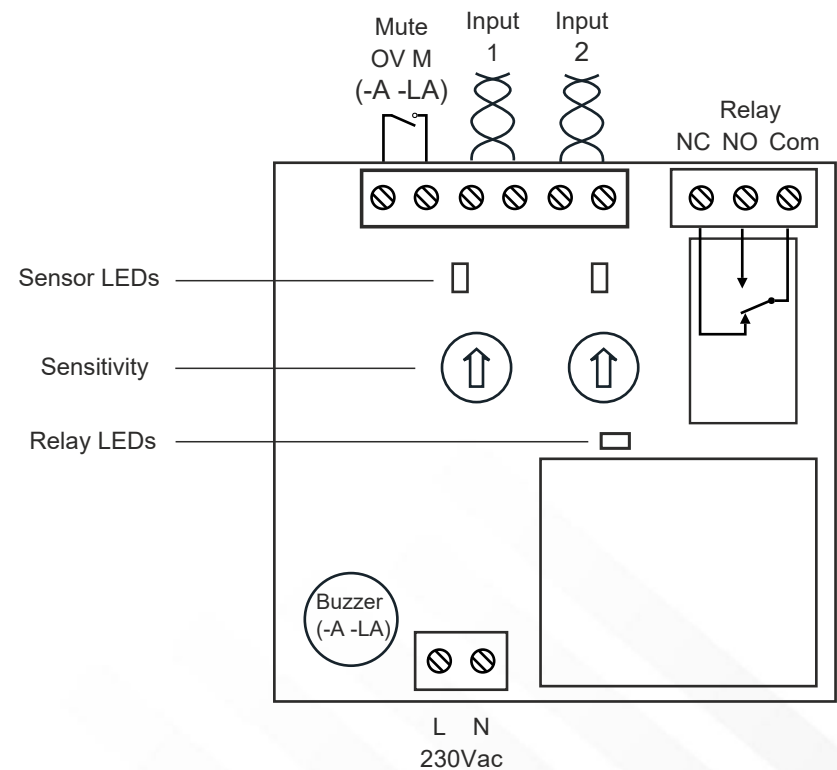
#### Latching version

Relay, sounder and LED are latched and can only be reset when sensor cable is dry by pressing the mute button or shorting mute input .

### AX-WLD2-24 (-A -LA)



### AX-WLD2-230 (-A -LA)



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