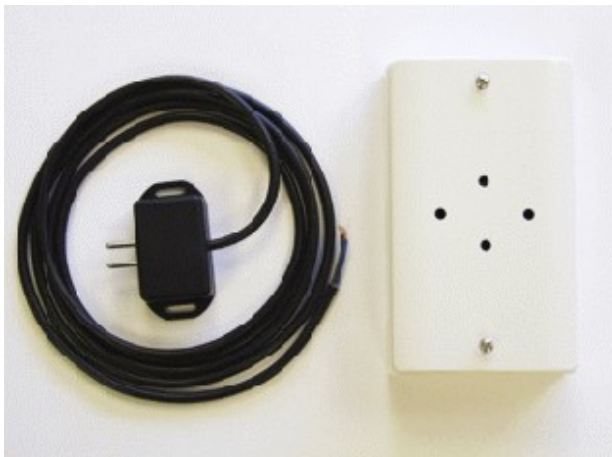


# AX-WLD-DTA & AX-WPS

Drip tray alarm and point sensor



## Product overview

The AX-WLD-DTA is a single zone drip tray water level alarm module with built in sounder and latching relay. The input sensitivity is adjustable to reduce the possibility of false alarms. A total combined cable length of 200m can be connected. The unit can be supplied as a bare board or pre-installed in an enclosure.

## Features

- Up to 200m of cable can be connected
- Adjustable sensitivity
- Loud audible alarm (100db)
- Input from point sensors

## Product specifications

Supply voltage	230Vac +/- 15% 50/60Hz
Supply current	50mA max
Relay	SPDT
Relay output	6A inductive at 230Vac
Alarm relay delay time	15 minutes
Sounder on time	15minutes
Audible alarm output	100dB at 1m
Relay LED indication	On when relay energised
Input LED	On when water detected
Electrical connections	Rising cage terminals for 0.5-2.5mm <sup>2</sup> cable
Dimensions of PCB only	105 x 59 x 32mm
Ambient range	0°C to +50°C, 0 to 90% RH non-condensing
Country of origin	United Kingdom

## Order codes

AX-WLD-DTA	230Vac drip tray alarm module
AX-WLD-DTA-ENC	230Vac drip tray alarm module complete with enclosure
AX-WPS	Point sensor for AX-WLD-DTA with 2m cable
AX-WLD-ENC	Ventilated enclosure for AX-WLD-DTA

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# AX-WLD-DTA & AX-WPS

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## Enclosure

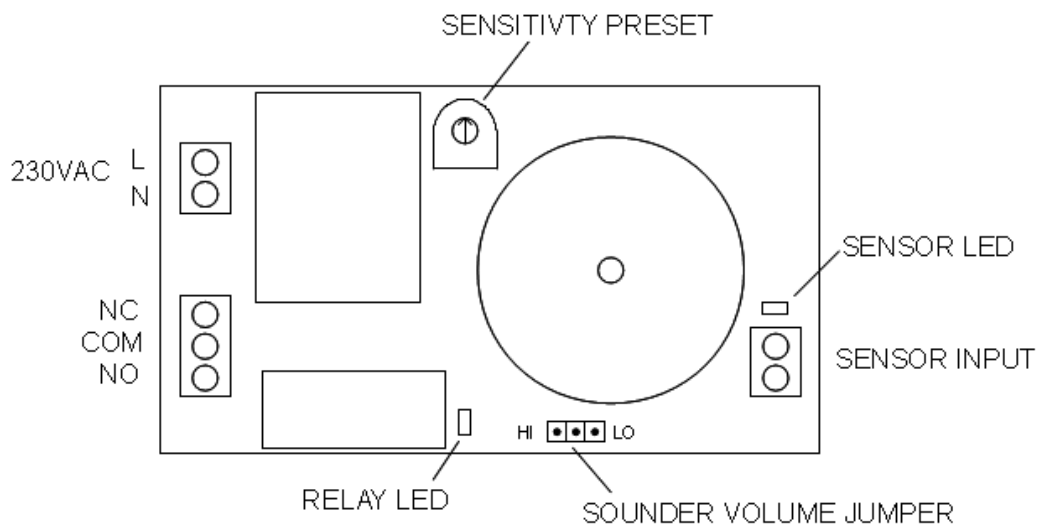


Housing	White ABS (UL Rated)
Dimensions	147(W) x 82(H) x 42(D)
Protection	IP20
Weight with PCB	305gms

## Connection and operation

### Operation

When power is applied the unit will check to see if water is present across the sensor probes. If no water is detected the relay will energise. When water is detected the sounder will switch on for fifteen minutes. After fifteen minutes the sounder will switch off and the relay will de-energise and remain latched off until the power is removed. To reset the unit the power should be removed and the sensor probes dried out.



### Sensitivity

Turn the sensitivity preset fully clockwise. Switch on power to the WLD-DTA and slowly turn the sensitivity preset anti-clockwise until the sensor LED goes on and then back clockwise until the sensor LED goes off. Less sensitivity may be needed when long runs of cable are used. Where short cables are used the sensor LED may not come on even when set to maximum sensitivity, in this case the preset should be left set for maximum sensitivity.

### Testing

To test the installation put a wet cloth over the sensor probes to simulate a water leak and check the sounder switches on. Remove the cloth and remove power from the unit to turn the sounder off.

# AX-WLD-DTA & AX-WPS

Drip tray alarm and point sensor



## Audible Alarm Output

**Warning** – The sounder can produce 100dB output at 1 meter

The jumper can be temporarily placed in the LO position to attenuate the alarm during commissioning.

### Interlock

When used with a fan coil to detect condensate overflow interlock the 230Vac supply to the supply of the fan coil to ensure the only way the sounder can be turned off is to switch off the fan coil as well as the water leak detector



## Installation

### SAFETY NOTE

Prior to Installation ensure that all power sources are disconnected and locked-out and remain locked out during installation and set-up. Ensure all installations are in compliance with applicable electrical codes and that the installation is carried out by qualified installers. Never rely on status indication on any device to determine if power is present .

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## AX-WPS Point Sensor



The AX-WPS water leak point sensor is used to detect water in a drip-tray. This can be used in conjunction with the AX-WLD-DTA detection module.

### Features

- Multiple sensors can be connected to AX-WLD-DTA
- Robust housing
- Slotted lugs for easy installation
- Stainless steel probes

### Specifications

#### Housing

Material	Black ABS
Protection Rating	UL94-HB
Cable length	2m
Dimensions	67 x 35 x 20mm (mounting slots 3.5mm wide on 57.8mm centres)

#### Probes

Material	Stainless steel
Dimensions	13mm x 3mm dia.
Country of origin	UK

### Installation

Fix the AX-WPS in the location where leak detection is required.

The AX-WPS is fitted with a 2 meter leader cable that can be connected to a AX-WLD-DTA alarm module. (A maximum of 200 meters is allowed for each AX-WLD-DTA).

Connect the 2-core leader cable to the AX-WLD-DTA alarm module sensor input (Polarity independent).

Power the AX-WLD-DTA. Adjust the preset on the PCB anti-clockwise until the sensor LED comes on. Turn preset clockwise until the sensor LED goes off .

Test the sensor by placing a damp cloth over the stainless steel probes to simulate a water leak, the buzzer will come on. Remove the cloth and power from the unit to turn the buzzer off.

Multiple AX-WPS can be connected to an AX-WLD-DTA alarm module as long as the total cable run does not exceed 200 meters.