

INSTALLATION INSTRUCTIONS

Hydrosense ID System

Products Covered: Addressable Interface Module

Hydrosense Part Number: ID-WLDM



hydrosense

1. Remove knockout(s) of the enclosure as appropriate and fit 20mm cable glands (side knockouts) / 20mm rubber grommets (rear knockouts). Fit to building substrate by applying appropriate fixing to all four corners of the enclosure. **Note: Ensure the mounting surface is flat to prevent the enclosure from twisting.**
2. Guide cables through either the side or rear gland entry points on the enclosure. Wire the Connection Interface back to the Hydrosense Control Panel as shown in **Figure 1**.

*Water Leak Detection
Module
ID-WLDM*



*Hydrowire
HYDW-05
HYDW-10*



*Water Leak
Detection Probe
ID-WLDP*



*End Of Line
Unit
ID-WLDM-EOL*



3. Plug the Hydrowire / Probe into the Water Leak Detection (ID-WLDM), always use Zone 1 first. If there is only one device to be connected then either plug an ID-WLDM-EOL into zone 2 or operate DIL switch 8 on SW1 to ON. If a second Hydrowire / Probe is to be used then ensure that DIL switch 8 on SW1 is set to OFF. - **Figure 2**.
 - a. If installing Hydrowire – Plug into the module then lay Hydrowire to the first clip ensuring it is not taut, fit into clips (HY-FXSA) and then push clips down to retain the cable ensuring contact with the floor for as much of its length as is possible. **Ensure the distance between any two Hydrowires is no more than 2 metres, although the cable is quite sturdy it can be damaged by crushing or excessive bending. A minimum bend radius of 150mm is recommended.** At the end of the Hydrowire fit the End of Line Plug (ID-WLDM-EOL) to terminate the cable.
 - b. If installing a Probe – Plug the Probe into the module and then run the cable to the equipment / appliance that is to be monitored, the Probe should be screwed down using the single fixing point (**hand tight only**) and the cable clipped to the floor using the fixing clips. If the Probe needs to be installed at a different height then the height adjuster can be used. (HY-WLDP-H)
4. The product must be set with a unique address between 1 and 127 set using DIL switch SW1. SW2 should not be used and both switches left in the OFF position. - **Figure 3**.
5. If a Water leak is detected, the Leak Detection indicator (Blue LED) will illuminate for the zone in alarm (**Note: the system limits the number of LED's illuminated to 5**)
6. If a Fault is detected, the Fault indicator (Amber LED) will illuminate for the zone in Fault (**Note: the system limits the number of LED's illuminated to 5**)
7. When the module is seen by the panel it will flash the Polling LED (approximate every 10s)

Note: Hydrowire should not come into contact with surface temperatures greater than 70°C, and exposure to direct sunlight should be avoided where possible.

Lengths of greater than 50 metres are not permissible from the module, this distance includes Hydrowire and any Zone Extenders fitted.

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Wiring

The ID-WLDM allows the Hydrowire and Probes to be connected to the Addressable water leak detection system. Each input on the ID-WLDM has its own sub address and can be given a unique text identifier via the system configuration.

The Loop In +VE and -VE terminals on the module must be connected via a 2-wire cable, to either a previous addressable unit or the Loop Out terminals of the control panel. If a Short Circuit occurs between two modules, the Polling LED will illuminate continuously.

Figure 1 (System Wiring)

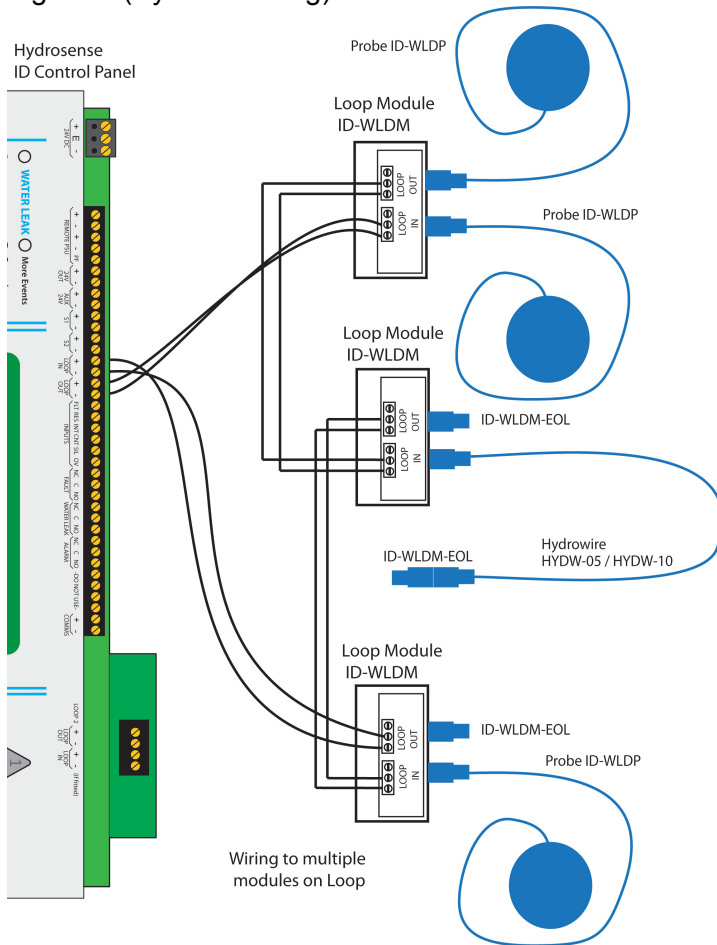


Figure 2 (PCB designations)

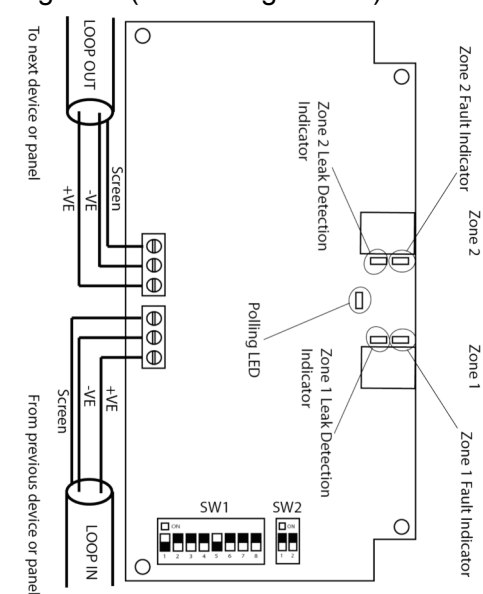
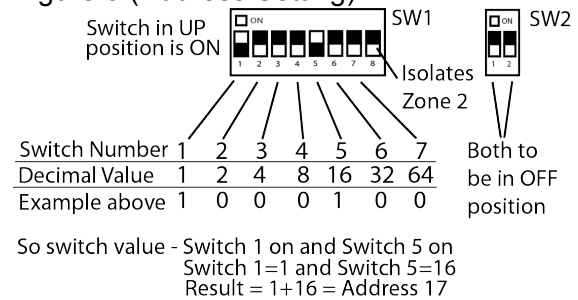


Figure 3 (Address Setting)



Specification

Features	Inbuilt SCI, Low power mode (CIE battery operation), individual zone monitoring and indication.	
Loop	Quiescent current	382uA
	Alarm & Fault LEDs current	3mA per LED illuminated
	Short Circuit Isolator active	3.5mA
	Polling current	22mA±20%
Supply Voltage	Loop Voltage low	17-41V

It is advisable to leave the lid off the module until all testing is complete.

