
















CMR Electrical Ltd
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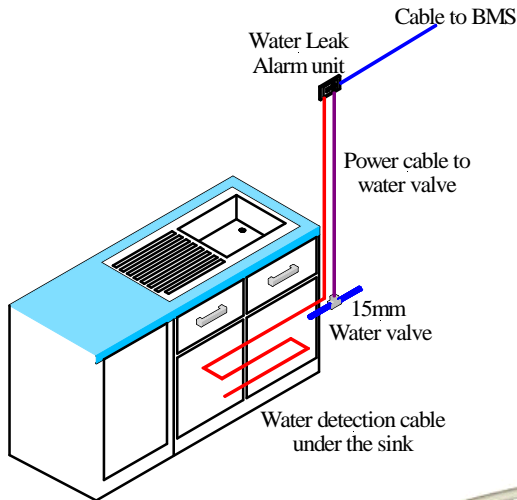
Water Leak Detection Alarm Type LD1V

The LD1V has been designed to detection water leaks in small areas such as tea points or vending machines and if required can stop the leak by closing a water valve. A valve shutdown override facility is provided to allow reinstatement of the water after a leak whilst waiting for the detection cable to dry out. If used, this override facility will automatically be cancelled when the alarm unit returns back to normal operation. A normally open volt free contact has been provided for onward signalling to a BMS or existing alarm system.



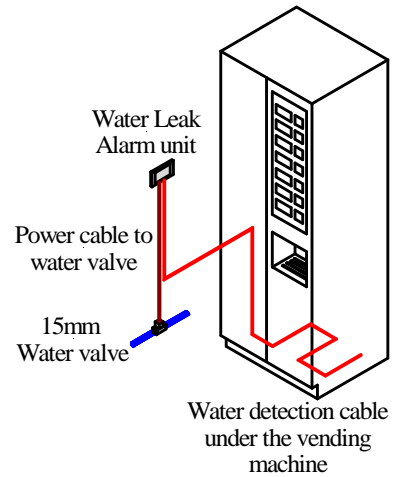
Features

-  **Fits into a standard deep double gang electrical socket back box**
-  **230VAC 50/60Hz operation**
-  **Audible warning device with “Mute” push button to silence the alarm**
-  **Flashing Red / Green Alarm lamp that changes to a steady Red when the alarm is muted**
-  **Green Power ON lamp**
-  **Volt free contact for onward alarm signalling to a BMS**
-  **Water shutoff valve control to stop the leak when an alarm is raised**
-  **Water valve shutoff override facility allowing the water to be turned on when alarm is still active**
-  **Alarms latched until Mute operated to give indication of transient water leaks**
-  **A Bi-directional DC signal in the sensors to stop electrolyses and polarisation**
-  **Sensitivity adjustment allowing it to be set for high to low sensitivity**
-  **Supplied as standard with 3m connection and 5m water detection cable**
-  **Any double blanking plate can be used allowing the unit to match the surrounding décor**

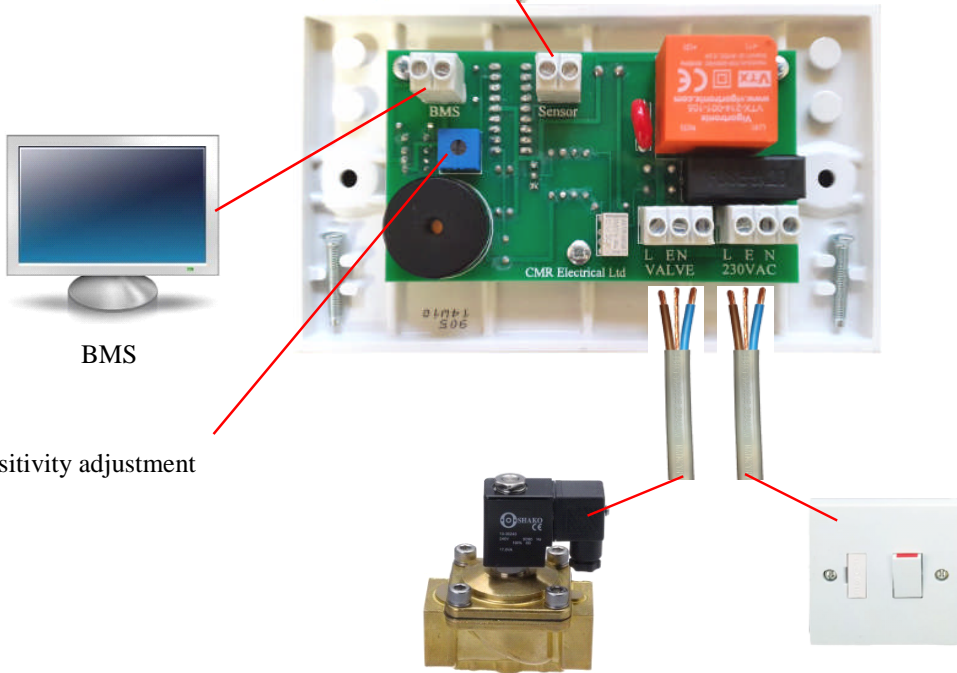


Tea Point or Kitchen Areas

Vending Machines



3m inter-connecting and 5m Leak Detection Cable



Specification

Housing type	Electrical double gang blank plate
Mounting	Double gang deep back box
Size	149mm x 88mm x 22mm deep
Colour	White as standard
Input power	50 Hz single phase 230VAC +/- 10%
Burden	< 150mW
Power termination	L, E & N terminal block mounted to back of the PCB
Water valve termination	L, E & N terminal block mounted to back of the PCB
BMS termination	Terminal block mounted to back of the PCB
Voltage to sensor	Bi-directional (AC) 5VDC
Connections to sensor	Terminal block mounted to back of the PCB
Maximum length of detection cable	5 metres
Available Water Valve sizes	½", ¾", 1", 1 ¼", 1 ½" & 2"
Water valve type and voltage	230VAC powered open, slam shut. Sizes
Minimum / Maximum valve water pressure	½", ¾", 1" = 0.1 bar – 20 bar, 1 ¼", 1 ½" & 2" = 0.1 bar—10 bar