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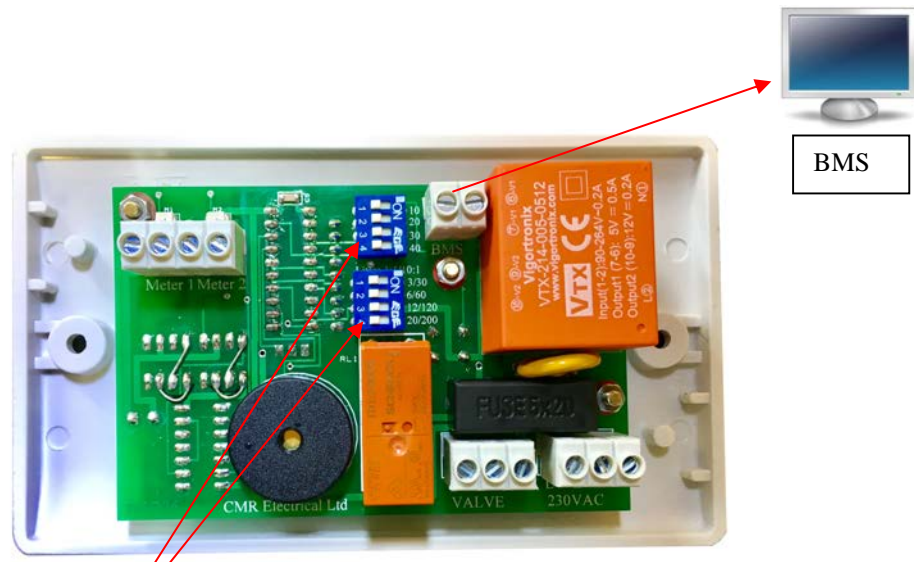
## Water Pipe Leak Detection Alarm Type WPLD

The WPLD has been designed to detection water leaks in supply pipe lines from 15mm to 38 mm diameter. The system operates by monitoring the output pulses of two water metres one fitted at either end of the pipe run and set up an alarm if the adjustable set points are exceeded. Two user adjustable settings are provided, one to set the number of allowable missing litres of water, adjustable between 3 and 20L, the second to set the monitoring time period adjustable between 10 and 40 minutes. The settings allow a leak detection range for a continuous leak between 75ml ( $3L/40m = 75mL$ ) and two Litres ( $20L/10m = 2L$ ). The WPLD also has a 230VAC output to a water shutoff valve to turn off the supply in the event of a leak being detected. A normally open volt free contact is also 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
-  Alarms latched until Mute operated to give indication of transient water leaks
-  Any double blanking plate can be used allowing the unit to match the surrounding décor



Alarm Set point adjustments



Shut off valve



Mains Supply

**Specification**

Housing type  
 Mounting  
 Size  
 Colour  
 Input power  
 Burden  
 Power termination  
 Water valve termination  
 BMS termination  
 Meter 1 output pulses = 1:1 size ½”, ¾”, 1”, 1 ¼” & 1 ½”  
 Meter 2 output pulses = 1:1 size ½”, ¾”, 1”, 1 ¼” & 1 ½”  
 Available Water Valve sizes  
 Water valve type and voltage  
 Minimum / Maximum valve water pressure

Electrical double gang blank plate  
 Double gang deep back box  
 149mm x 88mm x 22mm deep  
 White as standard  
 50 Hz single phase 230VAC +/- 10%  
 < 150mW  
 L, E & N terminal block mounted to back of the PCB  
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 Terminal block mounted to back of the PCB  
 Terminal block mounted to back of the PCB  
 ½”, ¾”, 1”, 1 ¼” & 1 ½”  
 230VAC powered open, slam shut.  
 ½”, ¾”, 1” = 0.1 bar– 20 bar , 1 ¼” & 1 ½” = 16 bar