

**CONTROL ... CONSERVATION THROUGH CONTROL ... CONSERVATION**

**WLDS-10 & WLDS-20 Mk3 Water Leak Detection System**

The WLDS panel monitors the flow of water into a building and raises an alarm and optionally shuts off the supply should the flow rate exceed preset parameters, in accordance with BREEAM Wat 3. These parameters can be adjusted by the user to allow for different conditions.



**Features:**

- Easy to navigate user interface
- Accepts 1,5,10,100 L/Pulse meters
- 7 day clock for programming daily use
- Outputs for shut off valve, BMS, alarm
- Manual override function with timeout
- Rugged steel enclosure to IP65



**What does it do?**

Designed to detect major leaks and help prevent flood damage caused by leaking pipes and fittings or by vandalism.

The WLDS-10 Mk3 panel is connected to a pulse water meter installed at the site boundary or main intake point of the building and hence monitors the consumption of water. An alarm output is activated when a continuous flow of water passes through the water meter at a flow rate above a preset maximum for a preset period of time.

A Normally Open free contact is provided for connection to a BMS (Building Management System) or to activate a local beacon/sounder type alarm.

A further free contact is also provided to shut off the water supply via a solenoid shut off valve if required.

The WLDS-20 Mk3 has pulse water meters installed at the site boundary and at the main intake and in addition can detect a loss of water between the site boundary and the main intake point.

**SPECIFICATIONS:**

**Power requirements:** Universal input 100 - 240v AC 50/60Hz 30W

**Pulse Meter Input:** 24v DC 5mA maximum for reed switch type pulse meter, programmable for 1,5,10 or 100 LPP

**PSU Output:** 24v DC @ 1.1A for powering alarm or solenoid valves

**Alarm Output:** Normally Open free relay contact rated at 5A resistive load 250v AC / 30v DC

**Valve Output:** Free relay contact rated at 5A resistive load 250v AC / 30v DC programmable as Normally Open or Normally Closed with timed service function.

**LCD display:** 2 lines x 16 character with LED backlight

**Keypad:** with tactile feedback 0-9 numeric keys plus navigation keys for parameter setting and monitoring

**Parameters:** Litres input range 1 - 32,767, time input range 10 seconds - 45 hrs, time to alarm range 1 min - 45 hrs

**Real time clock:** battery backed (10 year life) **Connections:** via DIN rail terminals, maximum conductor size

2.5mm<sup>2</sup>, cable entry via stuffing glands

**Enclosure:** IP65, steel wall mounting overall dimensions 300 x 300 x 150mm (W x H x D) RAL7035 powder coated

**Overall weight:** 5Kg

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