

Product Codes:
WLDS-10 mk3
WLDS-20 mk3

WLDS-10 MK3 & WLDS-20 MK3 WATER LEAK DETECTION SYSTEMS

Product Specification

The **WLDS-10 Mk3** is an electronic control panel used in conjunction with one pulse meter which is installed on the incoming water supply at the site boundary or at the building intake -in accordance with BREEAM requirements.

The **WLDS-20 Mk3** is an electronic control panel used in conjunction with two pulse meters which are installed on the incoming water supply at the site boundary Main (M1) and at the building intake Sub (M2) - in accordance with BREEAM requirements.

British designed and manufactured at our plant in Suffolk the **WLDS-10 mk3 & WLDS-20 mk3** BREEAM WAT03 water leak detection systems monitor the flow of water into a building. If the flow rate exceeds preset parameters an alarm sounds and optionally the water supply can be shut off.

WLDS water leak detection systems activate when the flow of water exceeds the preset maximum for the preset period. It identifies different flows and therefore leakage rates, in accordance with BREEAM WAT03. This gives you flexibility to adjust the parameters to suit your specific conditions.



Product Features

- Main (M1) & Sub (M2) pulse meters can have different K factors (number of pulses produced per gallon of water)
- Seven-day clock enables different periods of high flow (HF) to be programmed
- Peak flow capture enables easy setting of accurate parameters
- Displays total throughput in litres – useful for parameter setting and water audits
- Output contact for BMS or optional SB-100 sounder/ beacon alarm
- Output for 24 VDC Normally Closed or Normally Open solenoid valve with timed service function
- Solenoid valve set up enables a Normally Closed or a Normally Open solenoid valve to be selected in software
- Easy to navigate user interface
- Accepts inputs from 1, 5, 10 or 100 LPP reed switch type pulse meters
- Timed valve service function can be set to reduce the likelihood of valve sticking due to calcification etc
- Manual override (protection off) function with adjustable timeout period
- Enclosure 300 x 300 x 150 mm with a RH hinged door. Facilitates easier wall mounting and access to the internal terminals
- Alarm test function
- Tough steel wall mounting enclosure to IP65 protection, optional wall mounting brackets WMB-100
- Universal 100-240 V 50/60 Hz input for worldwide use



Saving more than water



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Designed & Manufactured
in the UK



Specifications

Power Requirements	Universal input 100-260 VAC, 50/60 Hz 1.5 amp max
Pulse metre input	24 VDC 5 mA maximum for reed switch type pulse meter, programmable for 1, 5, 10 or 100 litres per pulse
PSU output	24 VDC @ 1.1 amp for powering alarm or solenoid valves
Alarm output	Normally open free relay contact rated at 5 amp resistive load 250 VAC / 30 VDC
Valve output	Free relay contact rated at 5 amp resistive load 250 VAC / 30 VDC, programmable as Normally Open or Normally Closed with timed service function
Additional outputs	Two alarm contacts are available
External HF/LF input	Overrides internal clock
LCD Display	2x 16 ASCII 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 1 minute-45 hours, number of High Alerts to alarm: 1-99
Real-time clock	Displaying day and time (24-hour format) with automatic GMT/BST changeover. Includes battery
Connections	DIN rail terminals, maximum conductor size 4 mm ² , cable entry via IP65 cable gland in gland plate
Enclosure	IP65, steel wall mounting overall dimensions 300 x 300 x 150 mm (WxHxD) RAL7035 powder coated
Weight	Approximately 6 kg

Optional Extras

SB-100

24 VDC sounder beacon



WMB-100

Steel wall mounting bracket kit for WLDS leak detection panels



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Situations when leaks occur:

