

Product Specification

WLDS-10 mk3 & WLDS-20 mk3 Water Leak Detection Systems

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 Codes

WLDS-10 mk3

WLDS-20 mk3

Features

- ◆ Easy to navigate user interface
- ◆ Accepts inputs from 1, 5, 10 or 100 LPP reed switch type pulse meters
- ◆ 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 24v DC 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
- ◆ 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
- ◆ External alarm input for the connection of ancillary equipment such as tape leak sensing to be interfaced to the water leak detection system
- ◆ Enclosure 300 x 300 x 150mm 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 100-240v 50/60Hz input for worldwide use
- ◆ Designed and manufactured in the UK

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Optional Extras

SB-100

24v DC sounder beacon



WMB-100

Steel wall mounting bracket kit for WLDS leak detection panels



Specifications

Power requirements	Universal input 100-260v AC 50/60Hz 1.5A max
Pulse meter input	24v DC 5mA maximum for reed switch type pulse meter, programmable for 1, 5, 10 or 100 litres per pulse
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
Additional outputs	Two alarm contacts are available
External HF/LF input	Overrides internal clock
External alarm input	Enable ancillary equipment such as tape sensing to be interfaced to the WLDS-10/20 mk3 panels
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 (24hr format) with automatic GMT/BST changeover. Includes battery
Connections	DIN rail terminals, maximum conductor size 4mm ² , cable entry via IP65 cable gland in gland plate
Enclosure	IP65, steel wall mounting overall dimensions 300 x 300 x 150mm (WxHxD) RAL7035 powder coated
Weight	Approximately 6kg

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