



## **The MKLDS-1 has been designed to provide leak detection for Commercial and Public buildings.**

The system utilises a password protected control panel and a Metron water meter. The MKLDS-1 control panel monitors the flow of water through the meter and raises an alarm when a continuous flow passes through the meter, above a preset maximum for a preset period of time.

An optional facility is also available to close a solenoid valve, if the alarm is activated.

By programming flow rates and time periods to suit any individual building, any increase above the normal consumption pattern, will be detected and dealt with – saving water and limiting damage caused by water leaks

### **Key features**

- Breeam WAT 03 compliant
- Compatible with Metron water meters
- User defined parameters, programmed via keypad
- LCD display enables user to view parameters and flow rate
- N/O volt free alarm contact
- Battery back up
- Real time clock
- Audio/visual alarm function available
- Optional Valve shut off function

# MKLDS-1 WATER LEAK DETECTION SYSTEM

## Technical Specifications

- Power supply: Universal input 100-240vac 50/60Hz
- Compatible water meters: Metron pulsed water meters with 24V, 1.2A, VF pulse output
- Alarm output: Normally open volt free relay contact rated at 5A resistive load 250V ac / 30V dc
- Parameters: High Flow: Litres input range 1 – 32,767, time period range 10 seconds - 45 hours, time to alarm range 1 minute – 45 hours.
- 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
- Real Time clock: battery backed (10 year life)
- Connections: via DIN rail terminals maximum conductor size 4mm<sup>2</sup>, cable entry via stuffing glands in gland plate
- Enclosure: Steel wall mounting overall dimensions 300 x 200 x 150mm (W x H x D) RAL7035 powder coated
- Protection: to IP65 (nearest NEMA 4X) overall weight 5kg



Alarm



M1



Also available: Water Meters, Heat Meters, Gas Meters, Oil Meters and Metering Ancillaries

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