

Merlin WLM System

Rope Water Leak Detection



230V or 24V Power Input



Wiring/Cable Fault Indicator



230V or 24V Water Solenoid Valve Isolation Capabilities



BMS/BAS Communications



Standalone or Can Be Used With WLMZ Range For Multi-Zone



Used With S&S WLM Sensing Cable Or WLM Probes



LED Status Indicator



In-Built Audible Alarm

Product Overview

The Merlin WLM system is the new S&S Northern Ltd permanent water leak detection system aimed towards commercial properties and residential apartment blocks. The Merlin WLM can be used standalone or part of a larger multi-zone detection system and comes with a clear LED status display.

The system should be connected with a combination of WLM-Water Sensing Cable or WLM-Probes surrounding the area which can highlight when a leak is present and automatically close a water solenoid valve. The Merlin WLM System can also be interfaced with a local sounder alarm beacon, BMS controls or text message alerts.

Operation Overview

Press reset button to enable water supply. Solenoid valve relay will switch over and the green LED illuminates.

On water leak detection the red LED illuminates and buzzer sounds. Solenoid valve and BMS relay switch, strobe relay closes. The mute button toggles audible alarm (buzzer and strobe). Clicking the reset button will reinstate power to the solenoid valve & open water supply.

On fault detection, such as incorrect wiring or damaged cables, the BMS relay will switch over and the amber LED illuminates. The buzzer activates for 3 seconds with no strobe and the water solenoid valve remains on. Once the fault has cleared, the BMS relay will switch and amber LED will clear.

Technical Specifications

General Specification	Enclosure Dimensions	5.95 x 4.37 x 1.97" (151 x 111 x 50mm)
	Enclosure Material	ABS PA765 (Flame Rating UL94 V-1)
	Weight	TBC
	Approvals	UKCA, ROHS, complies with UL61010
	Display	Single tri-colour LED for Water On, Fault and Alarm
	Buttons	Mute and Reset push buttons mounted under the label
	Audible Indicator	Internal Buzzer
Electrical	Power Supply	110-240VAC and 24VAC/DC
	Water Solenoid Valve Output	Volt free NC/COM/NO, max 3A @ 240V
	BMS Relay Output	Volt free NC/COM/NO, max 3A @ 240V
	Strobe Relay Output	Volt free NO/COM, max 3A @ 240V
LED Indicators	Power On (RED)	Power LED as part of S&S logo
	Water On	Green
	Fault	Amber
	Alarm	Red
Installation Options	Pententiometer	Adjustable alarm point
User Controls	Reset and Mute	2 momentary push buttons

Compatibility



Merlin
WLM
Sensing
Cable



Merlin
WLM
Jumper
Cable



Merlin
WLM
Probe



GSW
Water
Solenoid
Valves

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