

CGS WLM System

Water Leak Detection



110V or 24V
Power Input



Wiring/Cable
Fault Indicator



110V or 24V
Water Solenoid
Valve Isolation
Capabilities



BMS/BAS
Communications



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



Used With CGS
WLM Sensing
Cable Or WLM
Probes



LED
Status Indicator



In-Built
Audible Alarm

Product Overview

The CGSWLM system is the new Canadian Gas Safety permanent water leak detection system aimed towards commercial properties and residential apartment blocks. The CGSWLM can be used standalone or part of a larger multi-zone detection system and comes with a clear LED status display.

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.

Compatibility



CGS 4-Core
CGSPLRP
4-Core
Pluggable Cable
Fault Detection



CGS 2-Core
CGSRP
2-Core
Pre-Defined Length



CGS Puck
CGSP
Sensing Puck



Solenoids
CGSSOLVLV
Normally Open
Normally Closed
24V AC / DC
110V AC



Elec Ball Valves
CGSEBV
Normally Open
Normally Closed
24V AC / DC
110V AC

Sensitivity

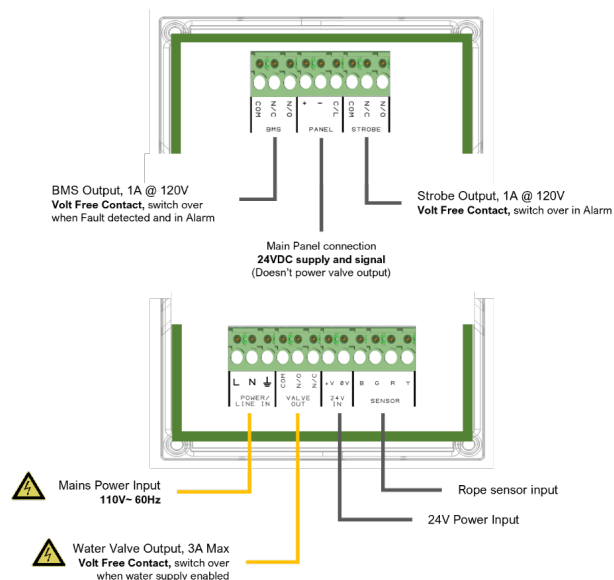
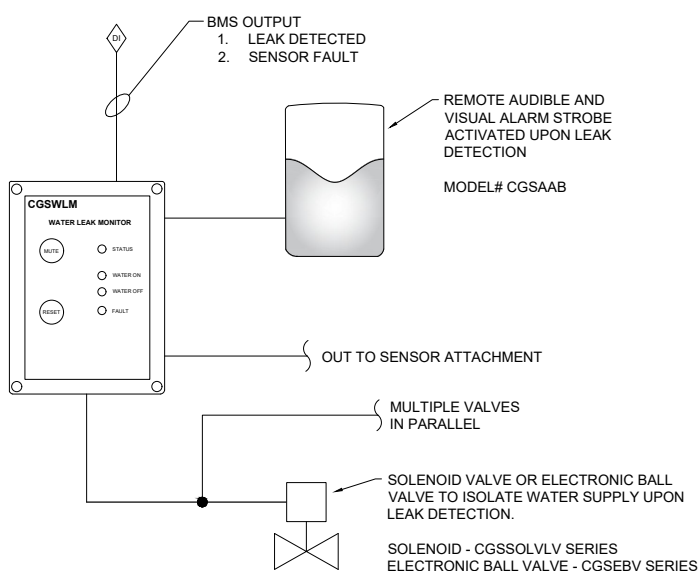
The potentiometer on the circuit board labelled [SENS] can be used to set the sensitivity of the rope sensor.



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
Electrical	Audible Indicator	Internal Buzzer
	Power Supply	110VAC and 24VAC/DC
	Water Solenoid Valve Output	Volt free NC/COM/NO, max 3A @ 110V
	BMS Relay Output	Volt free NC/COM/NO, max 3A @ 110V
LED Indicators	Strobe Relay Output	Volt free NO/COM, max 3A @ 110V
	Power On (RED)	Power LED as part of CGS logo
	Water On	Green
Installation Options	Fault	Amber
	Alarm	Red
User Controls	Pententiometer	Adjustable alarm point
	Reset and Mute	2 momentary push buttons

Controller Capabilities



Attachments

Attachment Description	Part Code	Length (FT)	Fault Detection (Y/N)
Detection Ropes - Pre Defined Lengths 2-Core			
6FT Sensing Cable w/ 5FT Lead Cable	CGSRP6	6	N
12FT Sensing Cable w/ 5FT Lead Cable	CGSRP12	12	N
24FT Sensing Cable w/ 5FT Lead Cable	CGSRP24	24	N
48FT Sensing Cable w/ 5FT Lead Cable	CGSRP48	48	N
100FT Sensing Cable w/ 5FT Lead Cable	CGSRP100	100	N
Custom Pre-Defined Length Call CGS For Pricing	CGSRPxx	xx	N
Detection Ropes - Pluggable 4-Core W/ Fault Detection			
16FT Sensing Cable w/ 5FT Lead Cable	CGSPLRP16	16	Y
32FT Sensing Cable w/ 5FT Lead Cable	CGSPLRP32	32	Y
65FT Sensing Cable w/ 5FT Lead Cable	CGSPLRP65	65	Y
Rope Tee Attachment	CGSPLRPTEE		
Plug End Lead Wire	CGSPLRPLEAD		
Detection Ropes - Pre Defined Lengths 2-Core			
2-Core Point Of Leak Sensing Puck w/ 15ft Lead Wire	CGSP		

Find out more
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