

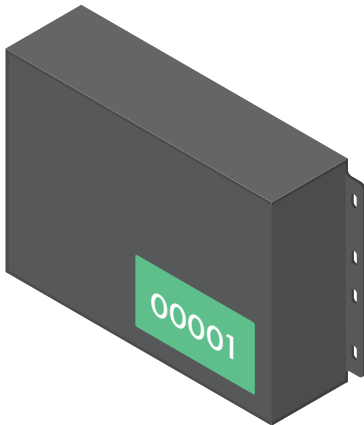
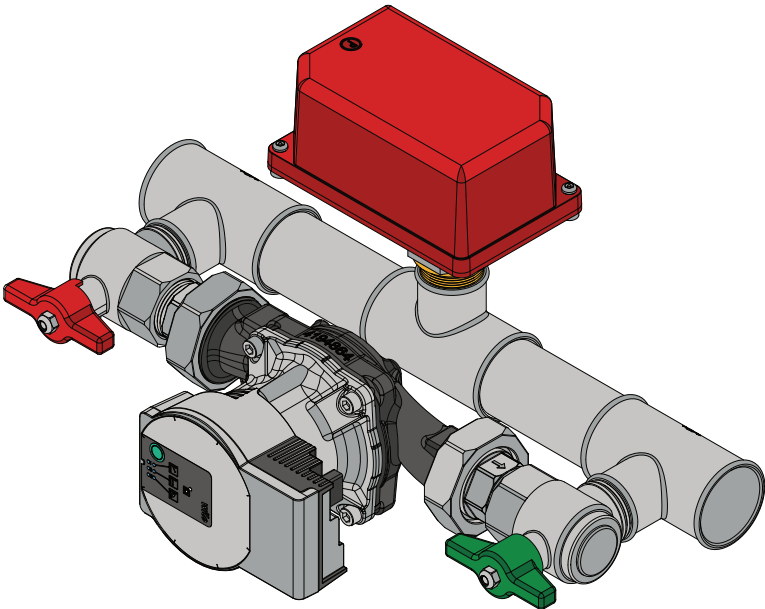
Data Sheet

ZCR-ADD-DS-10/23-10

Zonecheck Residential Galvanised Addressable

OVERVIEW

Zonecheck is a remote flow-switch testing device. It works by using a closed loop system that re-circulates water to simulate sprinkler head operation and tests the flow-switch without discharging water. Zonecheck® Residential Addressable simplifies sprinkler system testing for domestic and residential properties. Its compact design makes it ideal for homes and apartments, its easy to install and allows testing to be managed remotely via the Addressable Controller (sold seperatley). Automatic testing and recorded logs are managed by a series of intelligent monitoring modules (IMM) all interconnected to one central controller. The controller has the capability to initiate testing all (together or individually or in groups) flow-switches in the building at the push of a button or as part of an automatic, on-going routine.



Specification

ZONECHECK PUMP	
Type	Wilo Para
Operating Voltage	230V 50Hz
IMAX	0.82 A
Max Power Rating	75 W Maximum
IP Rating	IPX4D

FLOW-SWITCH	
Type	Potter
Triggering Flow Rate	15-38 L/min (4-10 GPM)
Working Pressure	17.25 bar (250 psi) max
Operating Temp Range	0-49 °C (32-120 ° F)

CABLE REQUIRMENTS		
Types of Cable	Fire-resistant screened cable (FP200 or an equal equivalent)	
Size of Conductors	1.5mm²	2.5mm²
Max Loop Length	3km	4.5km

IMM	
Mains Power Supply	120-240 VAC 50/60 Hz- 250w max
PCB Voltage rating	120-240 VAC 50/60 Hz- 250w max

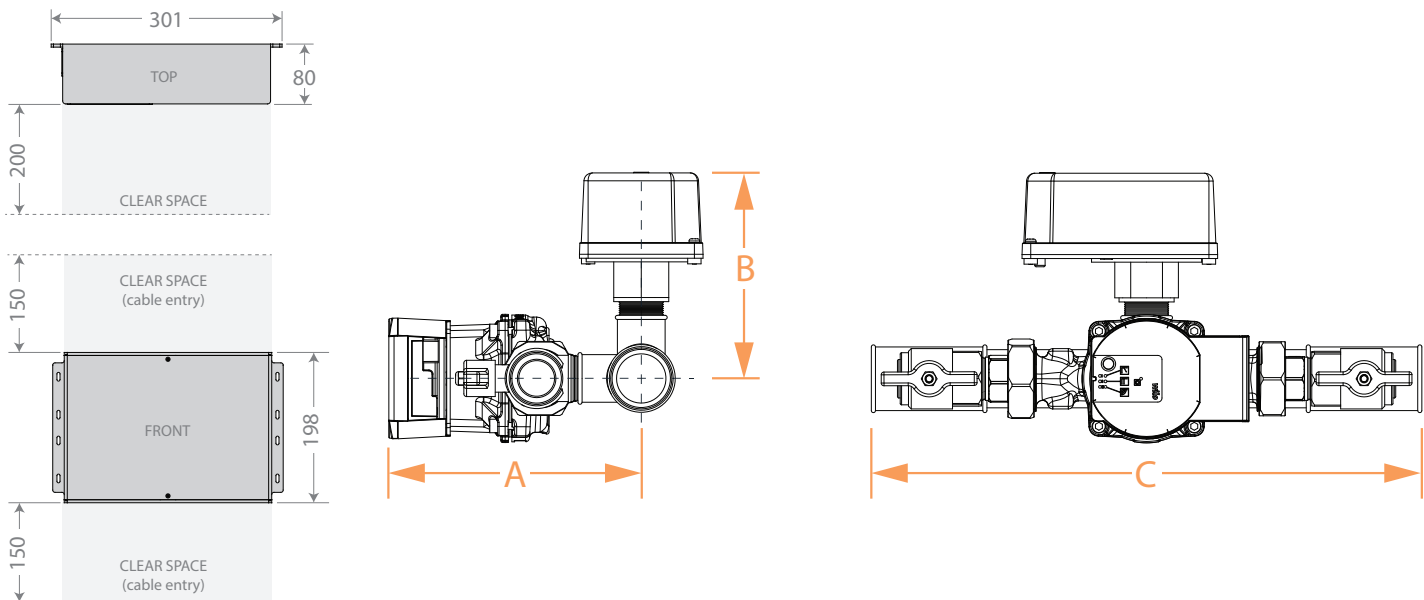
IMM AUX OUTPUTS	
Number of outputs	1
Type	Relay, volt free, single pole, changeover/switched mains for pump
Max switching current	3A resistive
Max switching voltage	230VAC, 30VDC
Relay 1, Fire condition	Active when a flow-switch is triggered, not under a test situation
Switched mains for pump	250VAC-3A

IMM INPUTS	
Mains power supply	110-230VAC 50/60 Hz
Flow-switch Input	Monitors a flow-switch
Monitored valve input	Monitors zone/isolation valve

Dimensions

PART CODE	IN	ØMM	A	B	C
ZC-RESAD25	1"	25	175	140	400
ZC-RESAD32	1¼"	32	185	150	400
ZC-RESAD40	1½"	40	185	150	400

*Please leave a minimum of 160mm above the face flow-switch and pump head for access and maintenance.



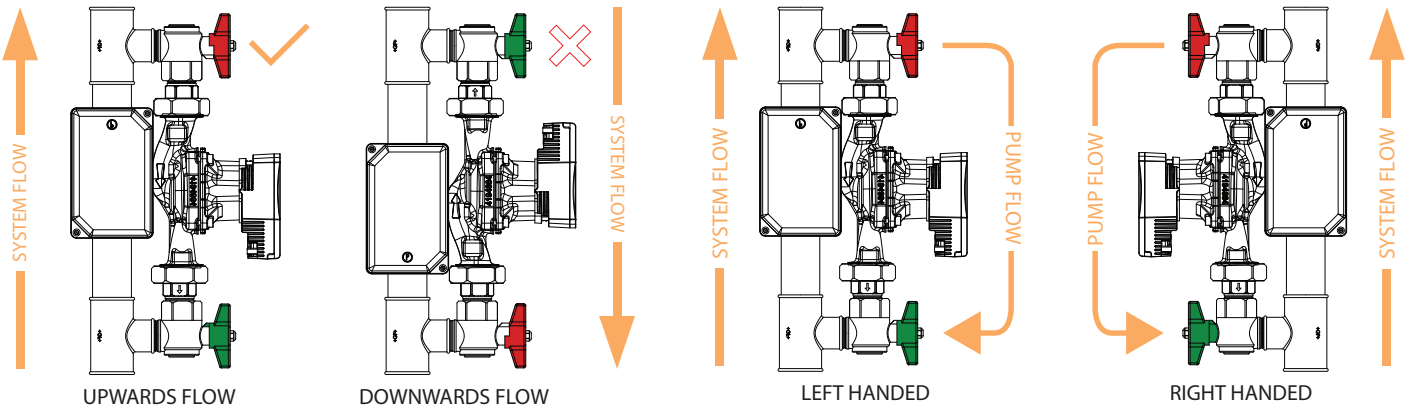
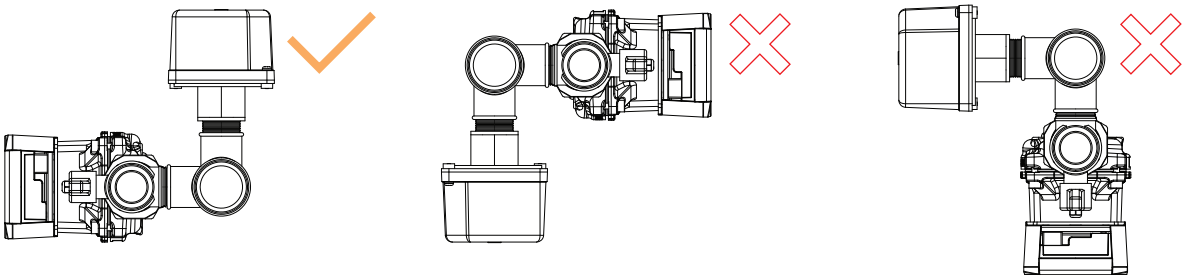
Orientation

Zonecheck can be installed both horizontally and vertically. Please check the directional arrows on the pump casting before installing. Pump flow should be opposite to the sprinkler systems flow.

When installing horizontally the flow-switch must face upwards and can not be installed facing sideways or below the pipe.

For Riser applications, make sure the pump flow runs oppersite (downwards) to the sprinkler system.

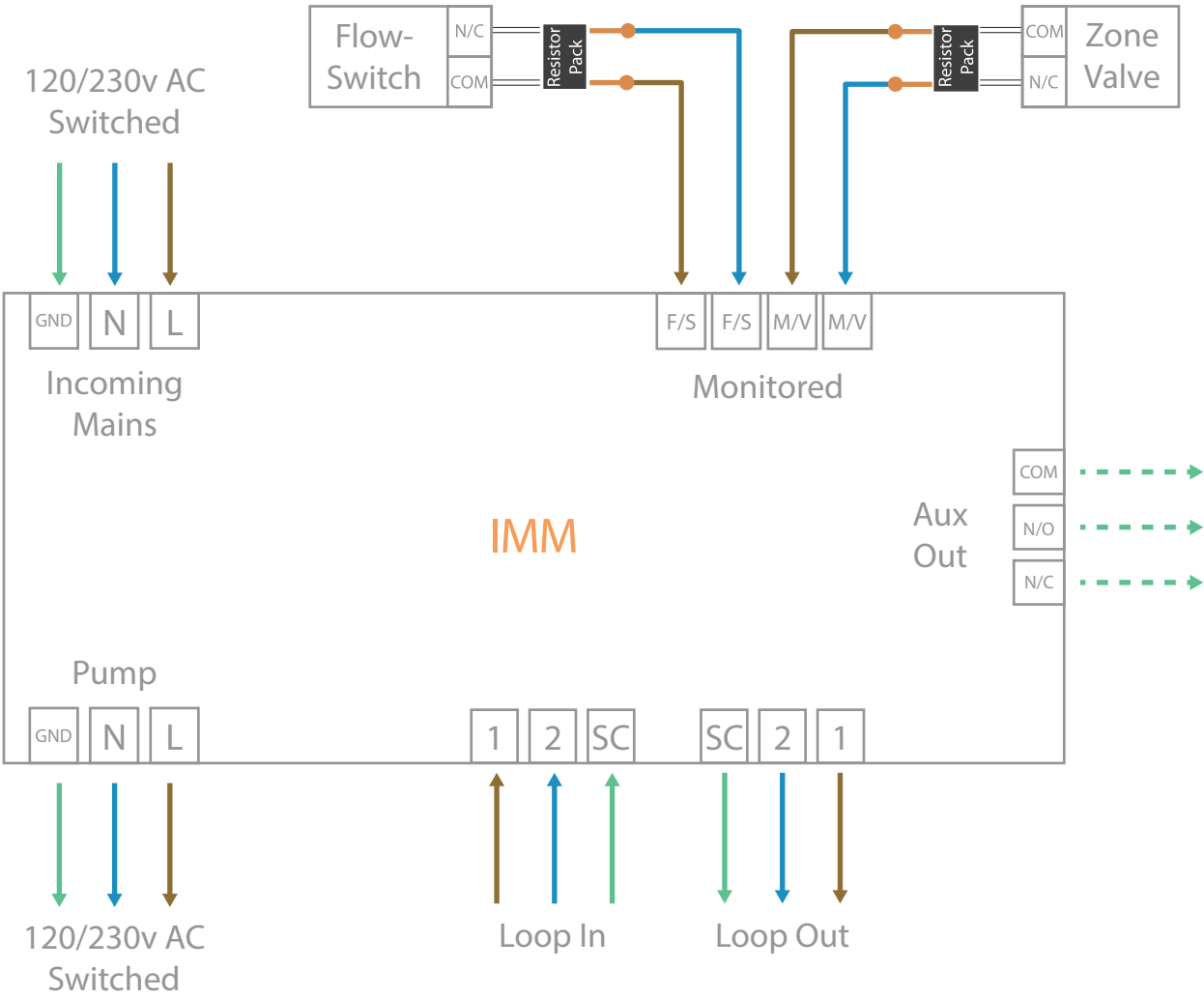
Left hand and right hand models are designed for when Zonecheck is installed along walls and space is limited.



Wiring

Typical fire-alarm/flow-switch connections. Exact wiring required depends on type of fire panel used. Refer to specific fire-alarm panel instructions for more information/guidance.

Resistors sized according to specific alarm-panel requirements.



- 100% water saving
- Remote testing
- Efficient
- Simplified testing method
- Sustainable testing
- LPCB Approved

Designed and manufactured in the UK by Project Fire Products Ltd.

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