

Data Sheet

ZC-RESP-ADD-DS-10/23-6

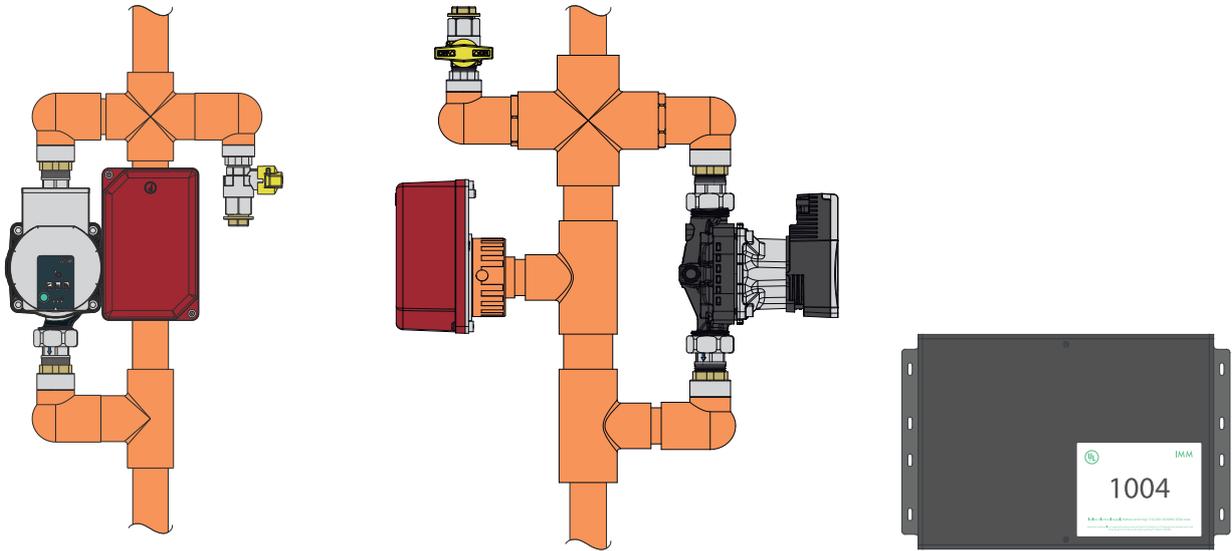
Zonecheck Residential Addressable CPVC Void CPVC Riser

OVERVIEW

Zonecheck is a remote flow-switch testing device. It works by using a closed loop system that re-circulates water to simulate a single sprinkler head operation and tests the flow-switch without discharging water. Zonecheck® Residential simplifies flow-switch testing for domestic and residential properties. Its compact design makes it ideal for apartments, homes and mixed use developments, its easy to install and allows testing to be performed at the flick of a switch. Further to this, each test is performed without wasting a drop of water. Tested by WarringtonFire, Ad-Hoc Test Report No. 409529.

Addressable versions of Zonecheck Residential are wired to a local IMM (intelligent monitoring module) which are in turn wired on a single loop to connect all IMM's to a single Zonecheck Addressable controller. This controller provides remote testing and monitoring of all Zonechecks and compatible isolation valves.

This version of Zonecheck Residential is designed for testing of flow-switches in remote sprinkler zones e.g. where each floor or each apartment of a block of flats is a separate sprinkler zone. A "full bore" version of this product is also available which is designed to be used where a full flow test is required e.g. at the start of a sprinkler installation. For more information, please contact Project Fire.



Specification

ZONECHECK PUMP

Voltage	230V 50Hz
IMAX	0.66 A
Max Power Rating	75 W Maximum
IP Rating	IPX4D
Cable Type (Supplied)	1.5m Flying Lead

FLOW-SWITCH

Type	VSR-SG
Triggering Flow Rate	15-38 L/min (UL)
IP Rating	IP54
Contact Rating	10 A @125/250v AC; 2.0 Amps @30v DC

ZONECHECK RESIDENTIAL

Max Pressure Rating	10 bar
Pipe Type	CPVC
Pipe Diameters Ø	25, 32, 40, 50 mm (1", 1¼", 1½", 2")
Pipe and Fittings	Spears Flame Guard

IMM

Mains power supply	120-240 VAC 50/60 Hz-250w Max
Number of outputs	1
Type	Relay, Volt free, Single pole, Changeover/ switched mains for pump
Max voltage/ current	3A resistive, 230VAC, 30VDC, 0.35 power factor
Relay 1, Fire condition	
Switched mains for pumps	250VAC -3A

INPUTS & AUXILIARY INPUTS

Mains power supply	110-230VAC 50/60 Hz
Flow-switch input	Monitors a flow switch
Monitored valve input	Monitors an external valve source

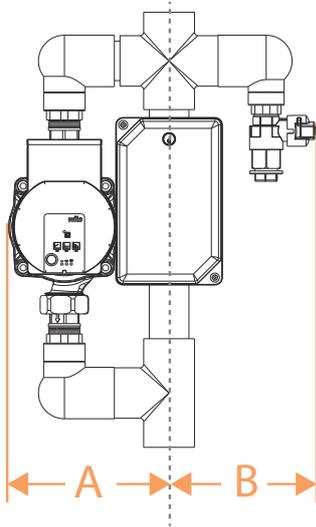
PHYSICAL DIMENSIONS

Dimensions (WxHxD)	301 x 198 x 78mm
Weight	2Kg

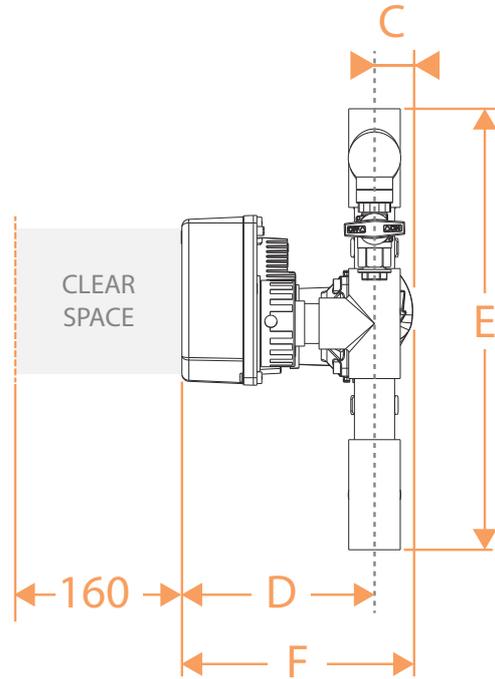
Dimensions (Riser)

PART CODE	IN	ØMM	A	B	C	D	E	F
ZC-RESPR-25	1"	25	135	135	30	170	370	200
ZC-RESPR-32	1¼"	32	155	160	30	175	395	205
ZC-RESPR-40	1½"	40	165	170	35	180	405	215
ZC-RESPR-50	2"	50	170	180	40	180	420	220

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



Front View

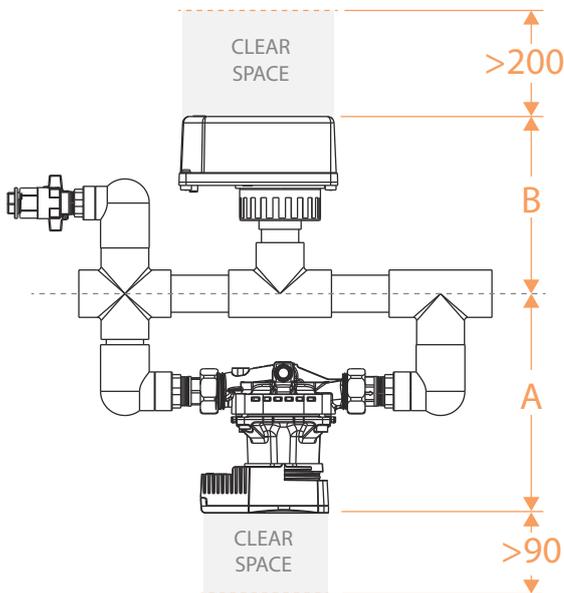


Side View

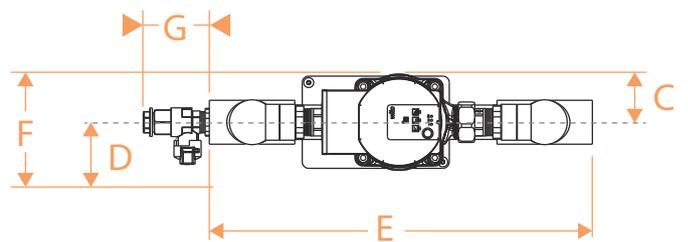
Dimensions (Void)

PART CODE	IN	ØMM	A	B	C	D	E	F	G
ZC-RESPV-25	1"	25	195	160	50	65	370	115	65
ZC-RESPV-32	1¼"	32	215	165	50	70	395	120	45
ZC-RESPV-40	1½"	40	225	170	50	75	405	125	40
ZC-RESPV-50	2"	50	235	175	50	80	420	130	30

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

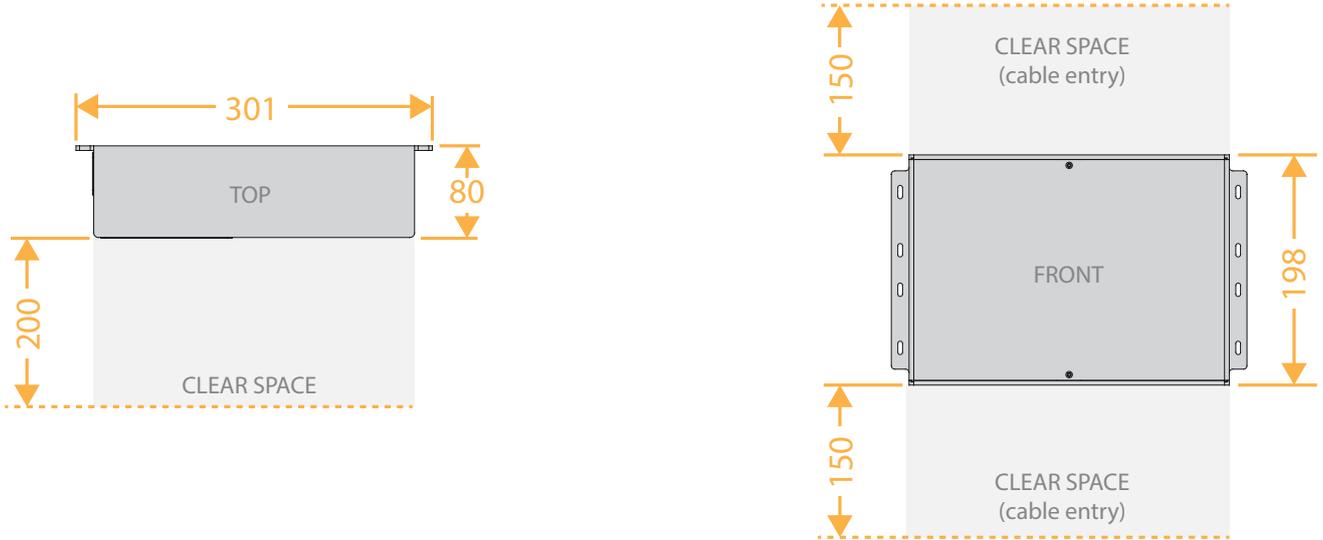


Plan View

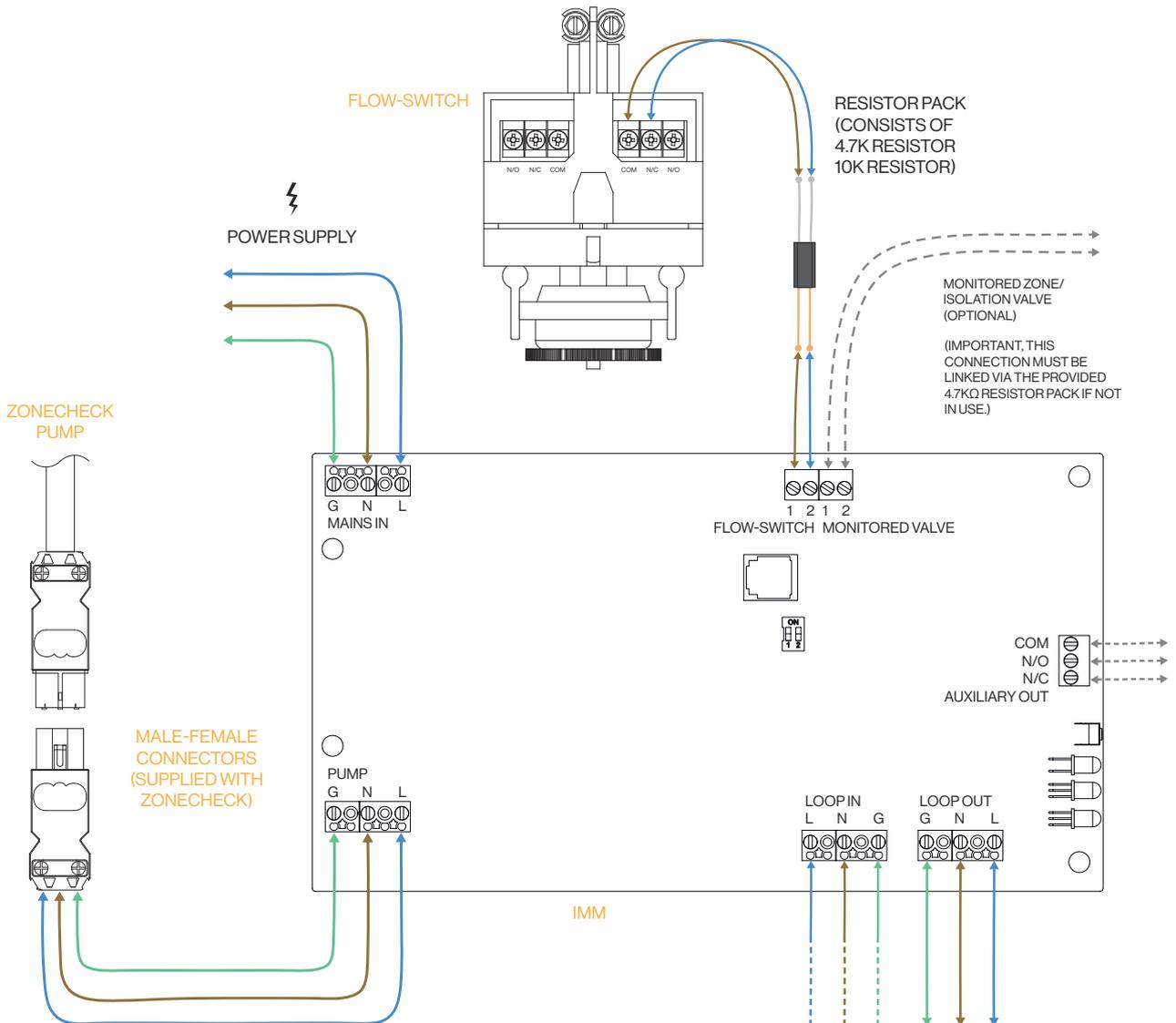


Front View

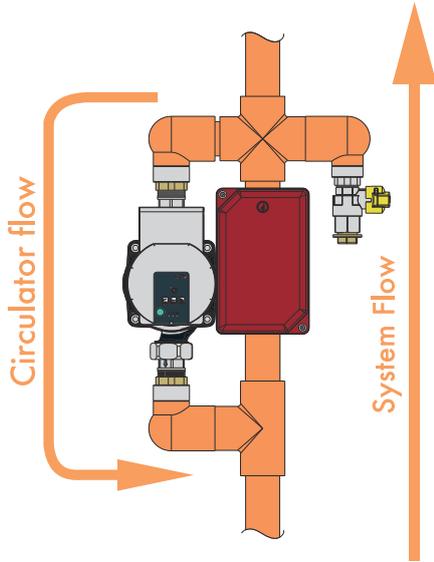
IMM Dimensions



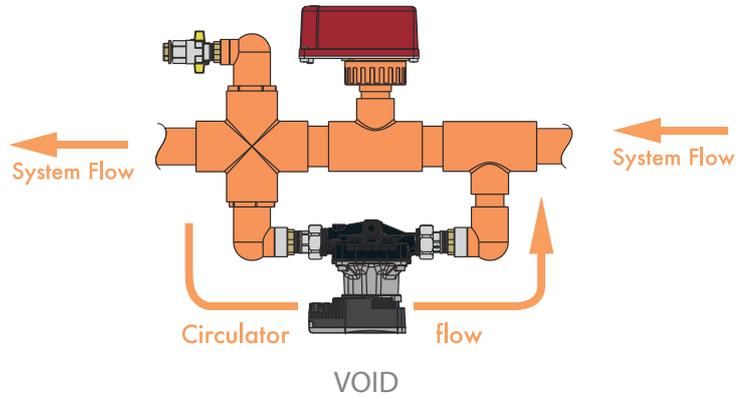
IMM Wiring



Orientation

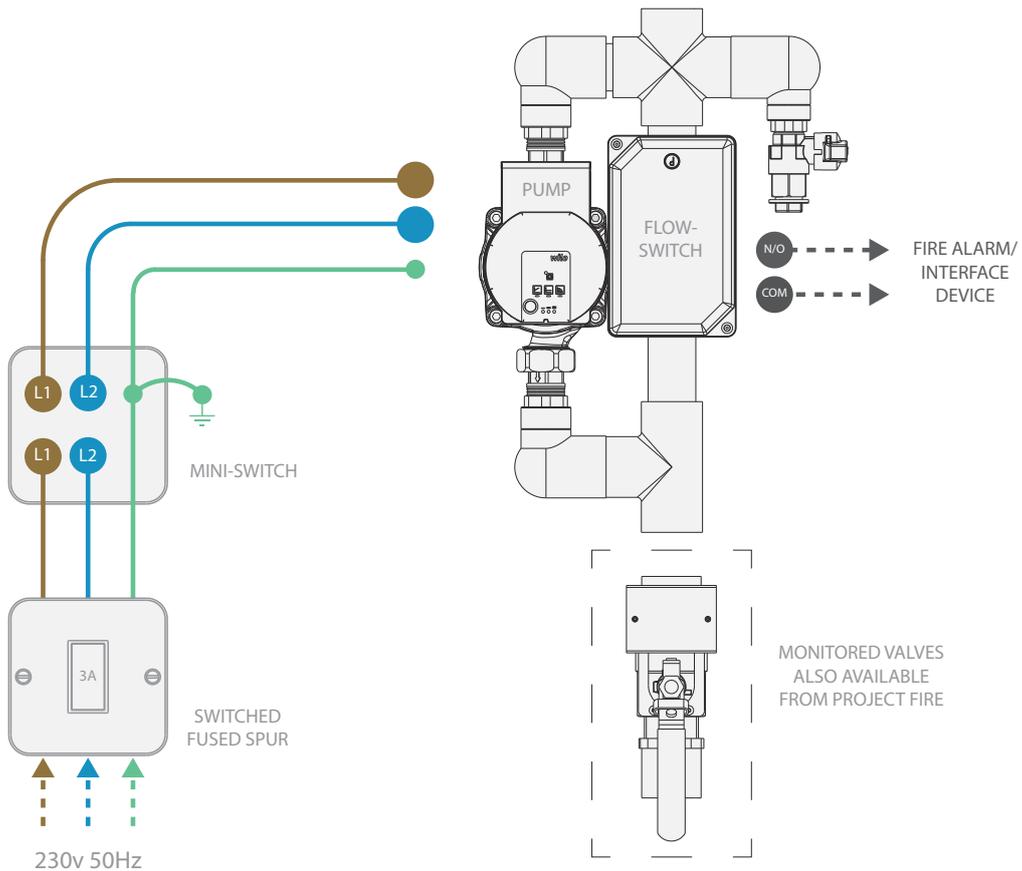


RISER



VOID

Wiring



100% water saving

Remote testing

No water discharge

Efficient

Simplified testing method

Code compliant

Sustainable testing

Flow-Switch Testing

UL Approved

Staightforward Commisioning

Fast Install

Flat-Fit Design

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

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PROJECT FIRE®