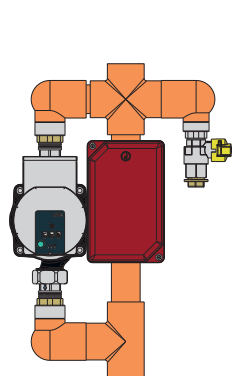


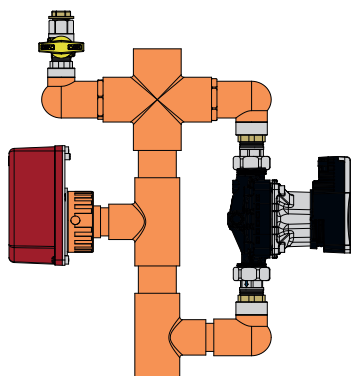
Zonecheck® Residential

Addressable

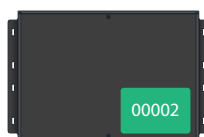
CPVC RISER
CPVC VOID



CPVC RISER



CPVC VOID



Evidence of compliant flow-switch testing



Automatic Testing & Record Keeping



Soft Test Facility

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 sperate 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

Pump

Voltage.....1~230v 50/60 Hz
I_{max}.....0.66 A
Max Power Rating.....75 W
IP Rating.....IPX4D
Cable Type (supplied).....1.5m flying lead

Flow-switch

Type.....VSR-SG
IP Rating.....IP54
Triggering Flow Rate.....15-38 L/min (UL)
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

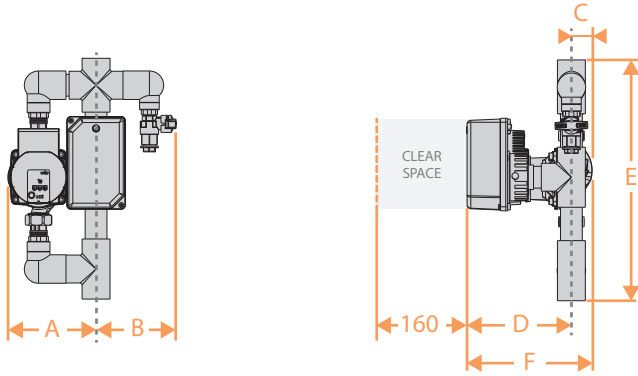
Mains Power Supply.....	120-240 VAC 50/60 Hz- 250w max
PCB Voltage rating.....	120-240 VAC 50/60 Hz- 250w max
Number of outputs.....	1
Type.....	Relay, volt free, single pole, changeover/switched mains for pump
Max switching current.....	3A resistive
Max switching voltage.....	230VAC, 30VDC
Relay 1, Fire condition.....	Active when a flow-switch is triggered, not under a test situation
Switched mains for pump....	250VAC-3A
Mains power supply.....	1 110-230VAC 50/60 Hz
Addressable loop IN.....	_
Addressable loop OUT.....	_
Flow-switch Input.....	Monitors a flow-switch
Monitored valve input.....	Monitors an external valve source
Weight.....	2 Kg

CPVC RISER

Riser Installation

Zonecheck Residential connects into CPVC fire sprinkler pipework using the industry standard solvent cement welding process. The lightweight design makes them easier to handle during transport and installation. The riser model should only be installed in the upright position.

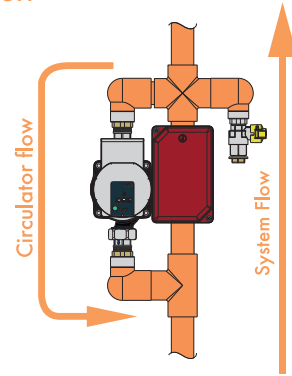
Dimensions (mm)



Front View

Side View

Orientation

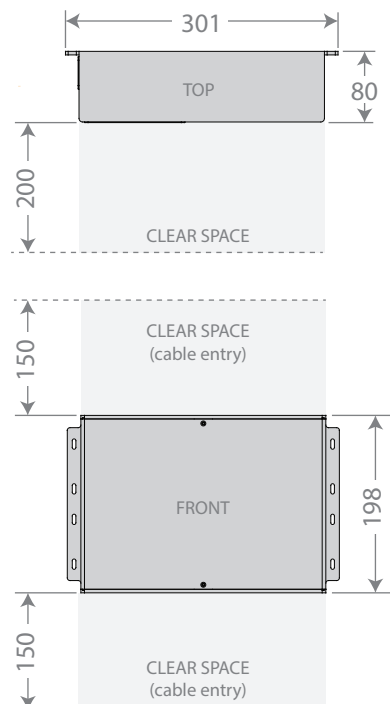


Front View

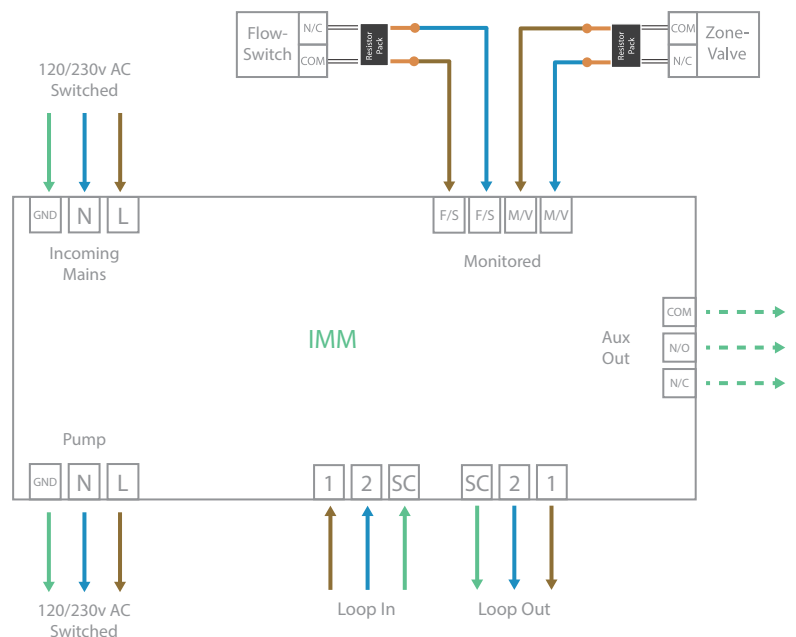
in	Ø	Part Code	A	B	C	D	E	F	Weight (Kg)
1"	25	ZC-RESPR-25	135	135	30	170	370	200	3.5
1¼"	32	ZC-RESPR-32	155	160	30	175	395	205	3.8
1½"	40	ZC-RESPR-40	165	170	35	180	405	215	4.1
2"	50	ZC-RESPR-50	170	180	40	180	420	220	4.7

Please note: Dimensions are ± 5 mm. Key-switch and mini-switch variations available on request.

IMM Dimensions



IMM Wiring

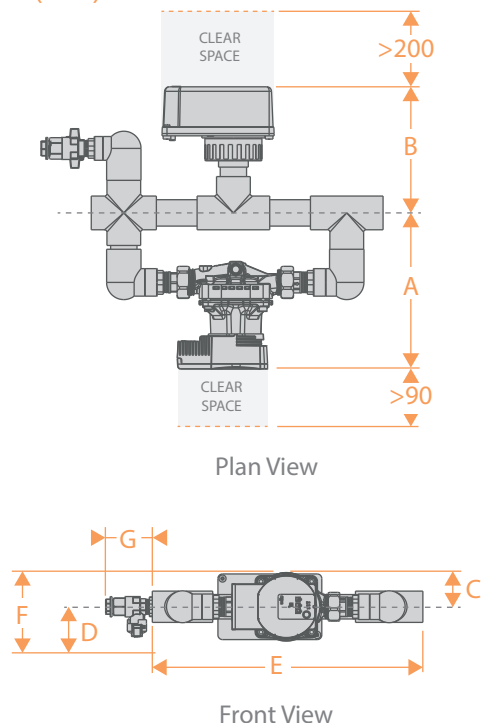


CPVC VOID

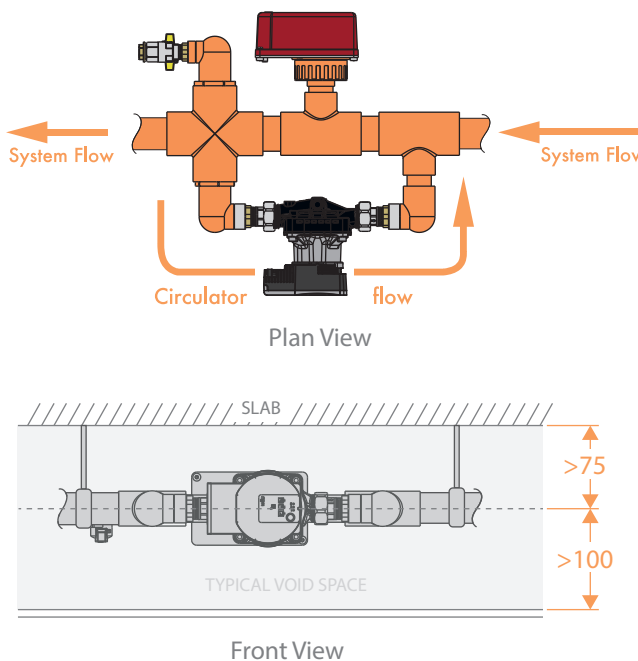
Void Installation

Zonecheck Residential connects into CPVC fire sprinkler pipework using the industry standard solvent cement welding process. The light weight design makes them easier to handle during transport and installation.

Dimensions (mm)



Orientation



in	Ø	Part Code	A	B	C	D	E	F	G	Weight (Kg)
1"	25	ZC-RESPV-25	195	160	50	65	370	115	65	3.5
1¼"	32	ZC-RESPV-32	215	165	50	70	395	120	45	3.8
1½"	40	ZC-RESPV-40	225	170	50	75	405	125	40	4.1
2"	50	ZC-RESPV-50	235	175	50	80	420	130	30	4.7

Please note: Dimensions are ± 5 mm. Key-switch and IMM variations available on request.

Hangers & Supports

Use approved pipe supports at a maximum of 100 mm from the inlet and outlet of each Zonecheck Residential Void model.

