

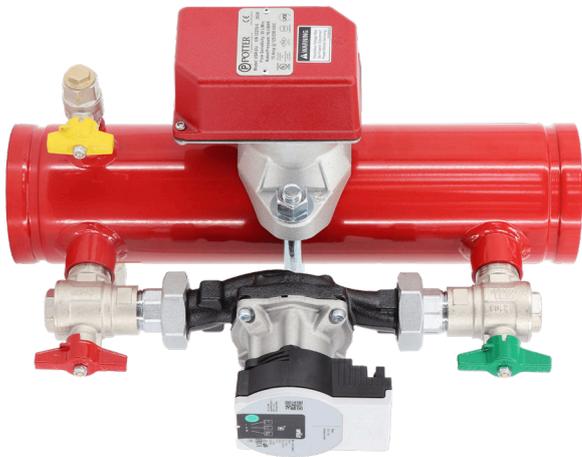
Data Sheet

ZC-ADD-DS-08/25-10

OVERVIEW

Zonecheck Addressable is a system designed to effectively manage a buildings flow-switch alarm testing routine. 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 a simultaneous flow-switch test for every Zonecheck in the building at the push of a button or as part of an automatic, on-going routine.



Specification

ZONECHECK

Working pressure rating	Water, 12 bar (175 psi) max
Operating temp range	0°C - 49°C (32°F - 120°F)
Pipe diameter	50/65/80/100/150/200mm (2-8")
Approvals	LPCB, UL, FM and VdS

PUMP

Type	Wilo Para
Operating voltage	230 v 50 Hz
Amps	0.82A
Max power rating	75W
IP Rating	IPX4D

CABLE

Type	Fire-resistant screened cable (FP200 or an equal equivalent)
Size of conductors	1.5mm ² , 2.5mm ²
Max loop length	3km , 4.5km
Cable approval	BS7629-1, BS6387 & LPCB BS5839-1

IMM

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

Inputs & Auxiliary inputs

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

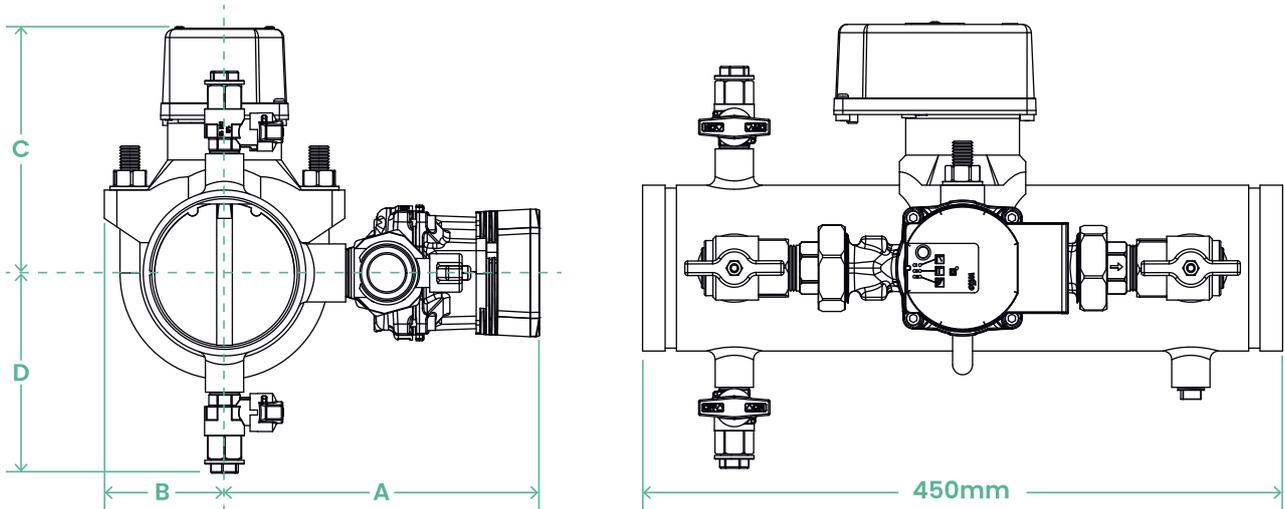
PHYSICAL DIMENSIONS

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

Dimensions

PART CODE	IN	ØMM	A	B	C	D
ZC450-AD50	2"	50	210	66	145	116
ZC450-AD65	2 ½"	65	215	66	155	124
ZC450-AD80	3"	80	220	85	165	130
ZC450-AD100	4"	100	225	85	170	140
ZC450-AD150	6"	150	250	115	195	170
ZC450-AD200	8"	200	275	150	225	195

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



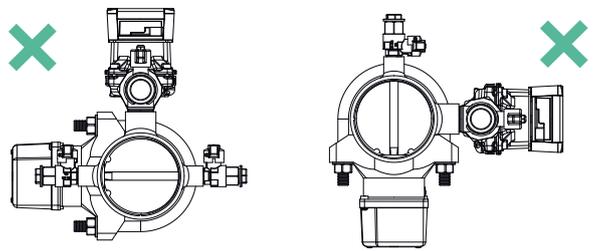
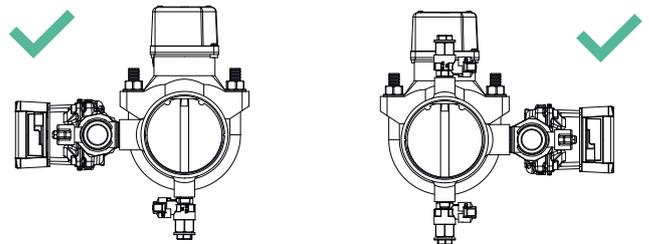
Orientation

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.

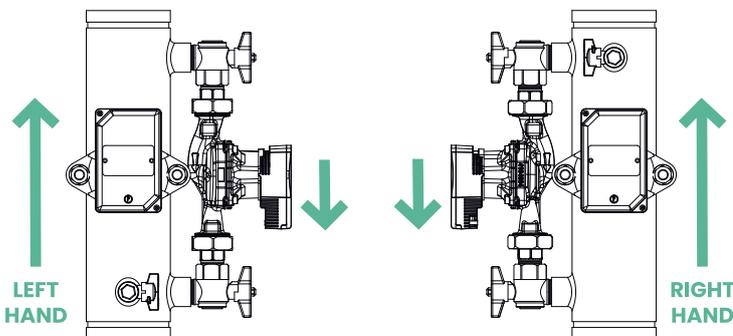
When installing horizontally the flow-switch must face upwards and can not be installed facing sideways or below the pipe.

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

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



Side View

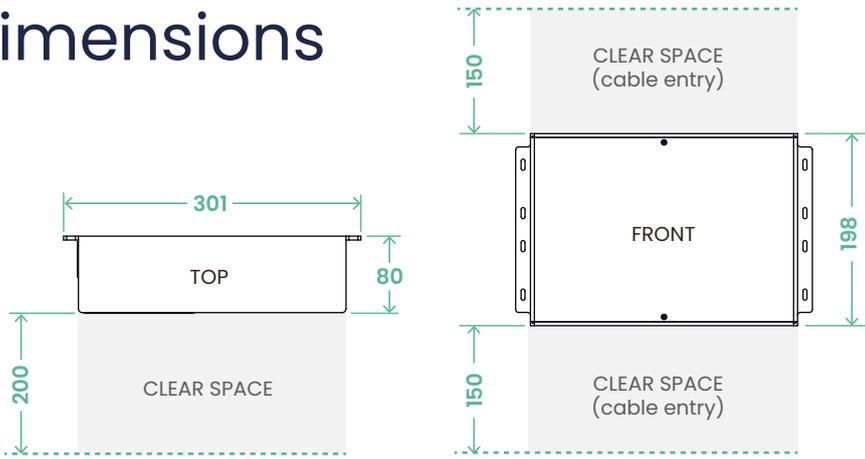


View from Above

VENTING

Zonecheck may not operate successfully if trapped air is present within the sprinkler pipework. Please ensure that pipework is vented by using an appropriate drain or venting valve (not supplied) before operating the Zonecheck.

IMM Dimensions



Wiring

