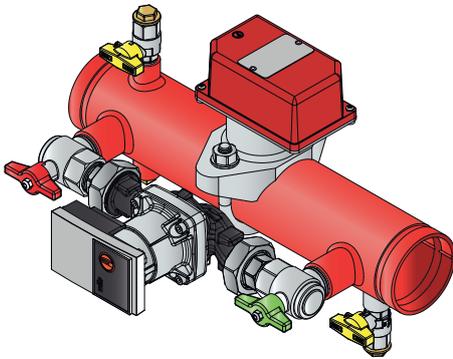


DATA SHEET

ADDRESSABLE ZONECHECK 450



Evidence of compliant flow-switch testing



Automatic Testing & Record Keeping



Soft Test Facility

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.

Zonecheck

Working Pressure Rating..... 12 bar (175 psi)
 Operating Temp Range..... 0°C - 49°C (32°F – 120°F)
 Pipe Diameter..... Ø50, - 200mm (2-8")
 Approvals..... LPCB, UL, FM and VdS

Zonecheck Pumps

Ø50-100 mm..... Wilo Yonos Para
 Operating Voltage..... 1~230v 50Hz
 I_{max}..... 0.66 A
 Max Power Rating..... 75 W
 IP Rating..... IPX4D

Ø150-200 mm..... Wilo Yonos Para HF
 Operating Voltage..... 1~230v 50Hz
 I_{max}..... 1 A
 Max Power Rating..... 120 W
 IP Rating..... IPX4D

Flow switch (Potter)

Type..... VSR-EU
 Contact rating..... 10A@125/250VAC; 2.0 A@30VDC
 IP Rating..... IP54
 Time Delay..... 0-30s

Flow switch (System Sensor)

Type..... WFDE
 Contact rating..... 10A@125/250VAC; 2.5 A@24VDC
 IP Rating..... IP54
 Time Delay..... 0-30s

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..... Active when a flow-switch is triggered, not under a test situation
 Switched mains for pump.... 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

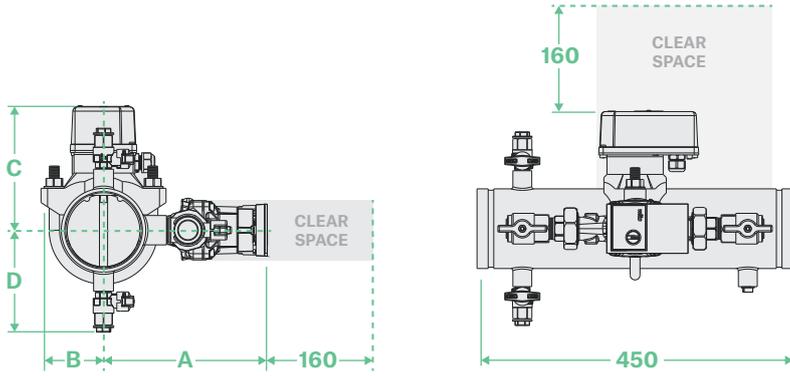
Physical Dimensions

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

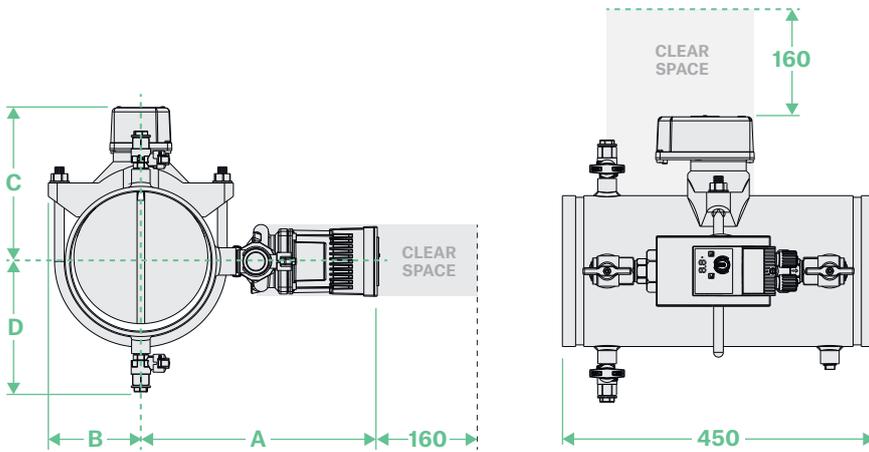
Cable Requirements

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

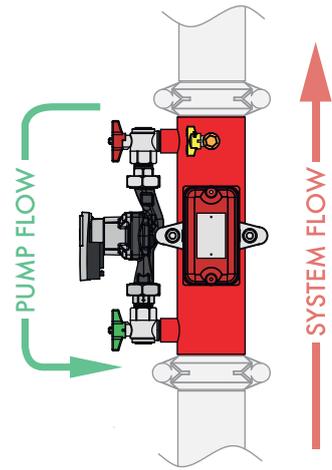
Zonecheck Dimensions: models Ø50, 65, 80 & 100mm



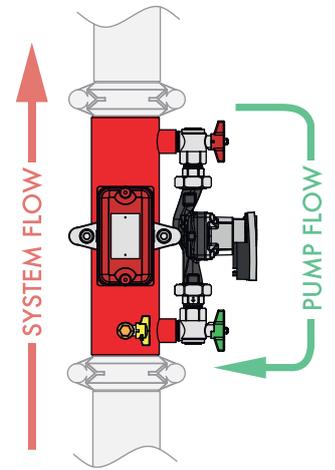
Zonecheck Dimensions: models Ø150 & 200mm



Orientation



RIGHT HANDED

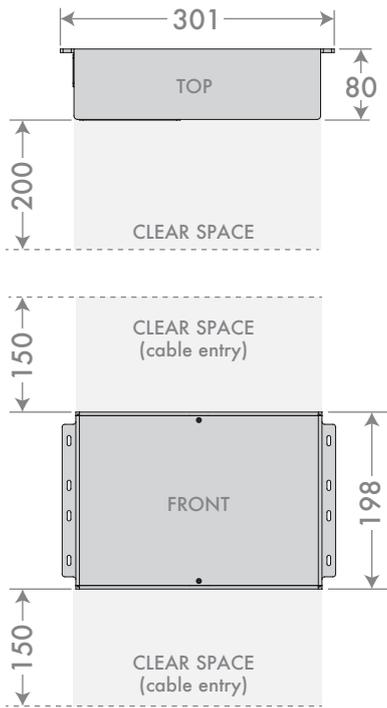


LEFT HANDED

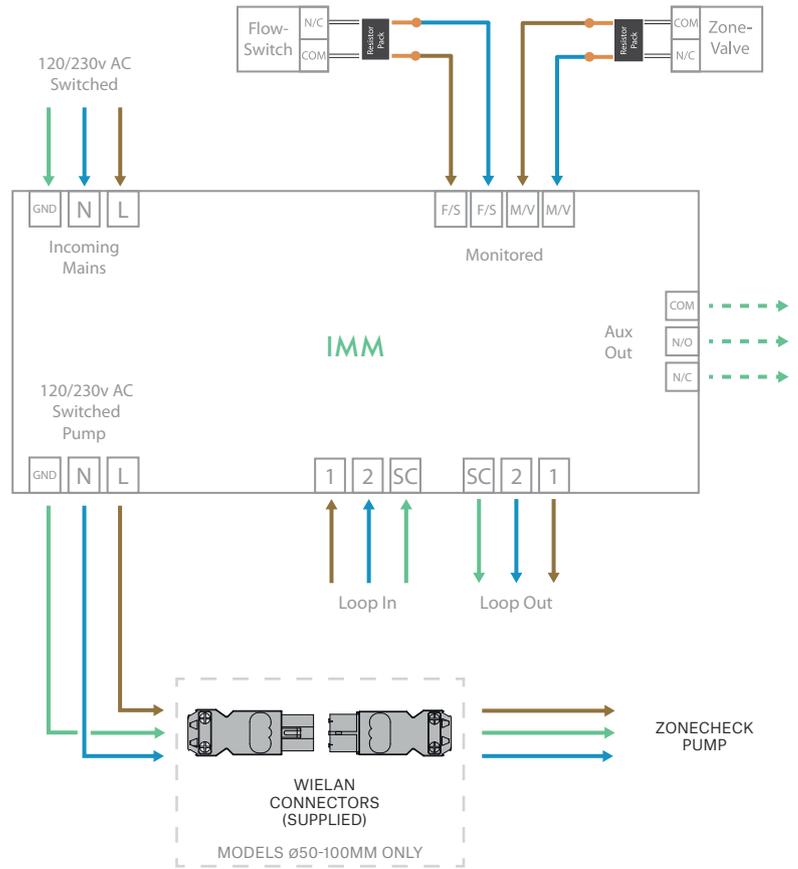
Part Code	in	Ø	A	B	C		D
					Potter	System Sensor	
ZC450-AD50RH	2"	50	210	66	145	140	116
ZC450-AD65RH	2½"	65	215	66	155	160	124
ZC450-AD80RH	3"	80	220	85	165	165	130
ZC450-AD100RH	4"	100	225	85	170	175	140
ZC450-AD150RH	6"	150	320	113	200	200	168
ZC450-AD200RH	8"	200	345	148	225	235	195

[Left hand - LH - models available on request]

IMM Dimensions



IMM Wiring



Example Schematic

