

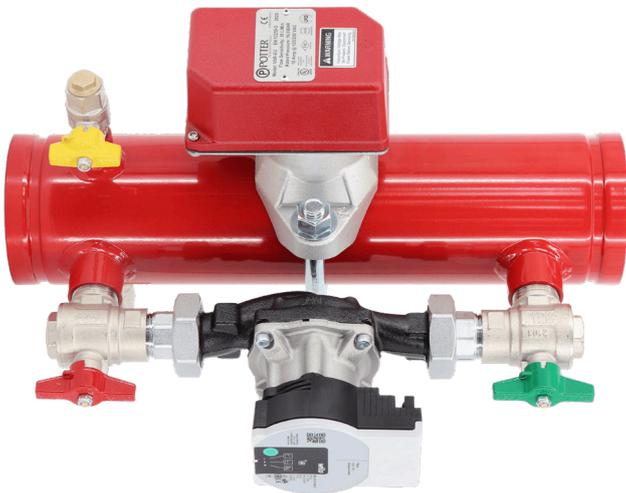
Data Sheet

ZC-DS-08/25-04

OVERVIEW

A Zonecheck unit incorporates an approved flow-switch with a testing pump and circulation loop. When the pump is activated via the local key-switch, water is circulated across the flow-switch at a flow equivalent to one sprinkler head in operation (required by code standards). The Key-switch is used to activate the Zonecheck test and indicate flow-switch activation as well as the local valve-status.

Zonecheck is simple and sustainable solution for performing sprinkler system flow-switch tests. Zonecheck does not initiate the fire pump which eases co-ordination and labour whilst also reducing the risk of false alarms.



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
IP rated	IP54

KEY-SWITCH

Voltage	230v 50Hz
Internal consumption	7.5W max
Amps	0.88A
LED indication	Pump running
	Flow-switch activated
	Valve fault

Max key-switch group size	25
Max group cable length	300m
Product code (Order No.)	ZCKYSE
Spare key set (Order No.)	ZC-ALKK

FLOW-SWITCH

Type	Potter VSR-EU
Contact rating	10A@125/250VAC
	2.0A@30VDC
IP rating	IP54
Time delay	0-30s

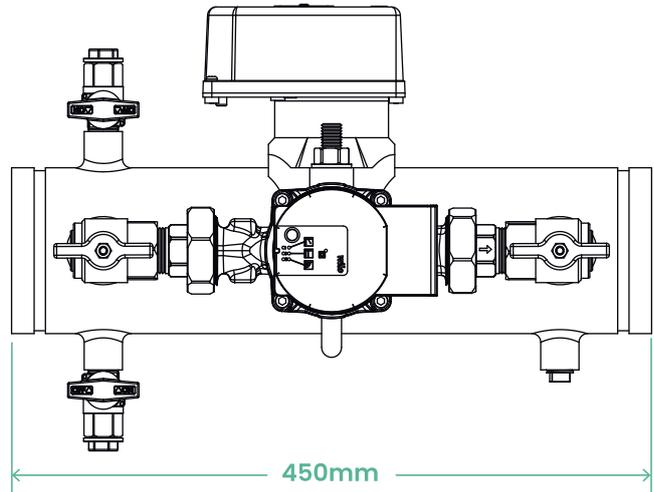
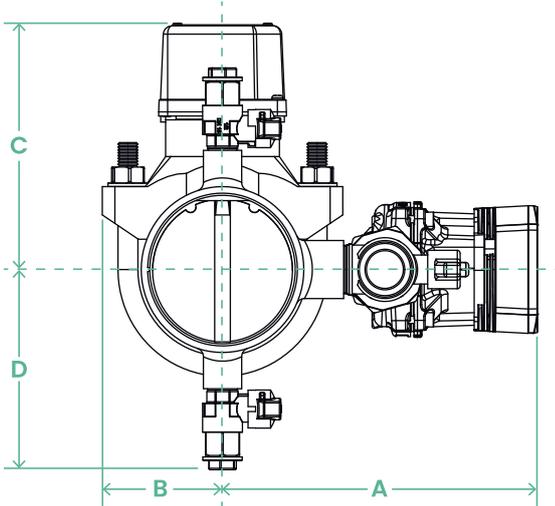
PUMP

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

Dimensions

ØMM	A	B	C	D
50 (2")	210	66	145	116
65 (2 ½")	215	66	155	124
80 (3")	220	85	165	130
100 (4")	225	85	170	140
150 (6")	250	115	195	170
200 (8")	275	150	225	195

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



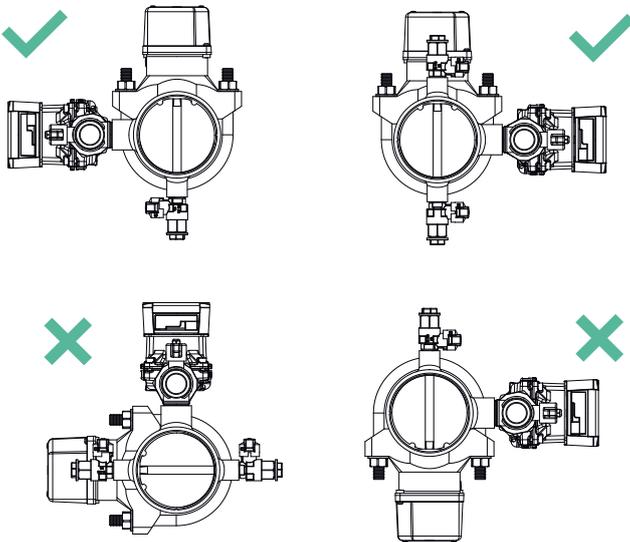
Orientation

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.

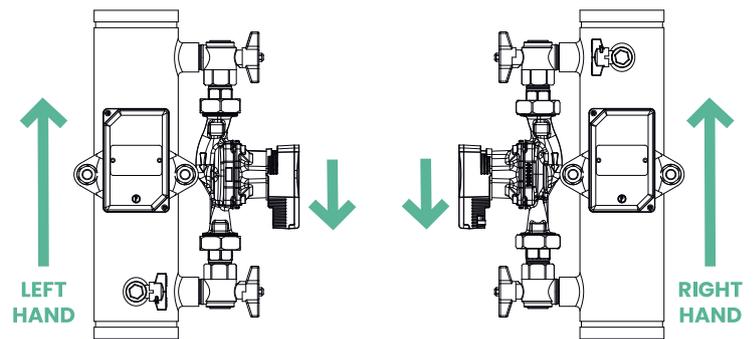
When installing horizontally the flow-switch must face upwards and can not be installed facing sideways or below the pipe.

For Riser applications, make sure the pump flow runs 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.



Side View



View from Above

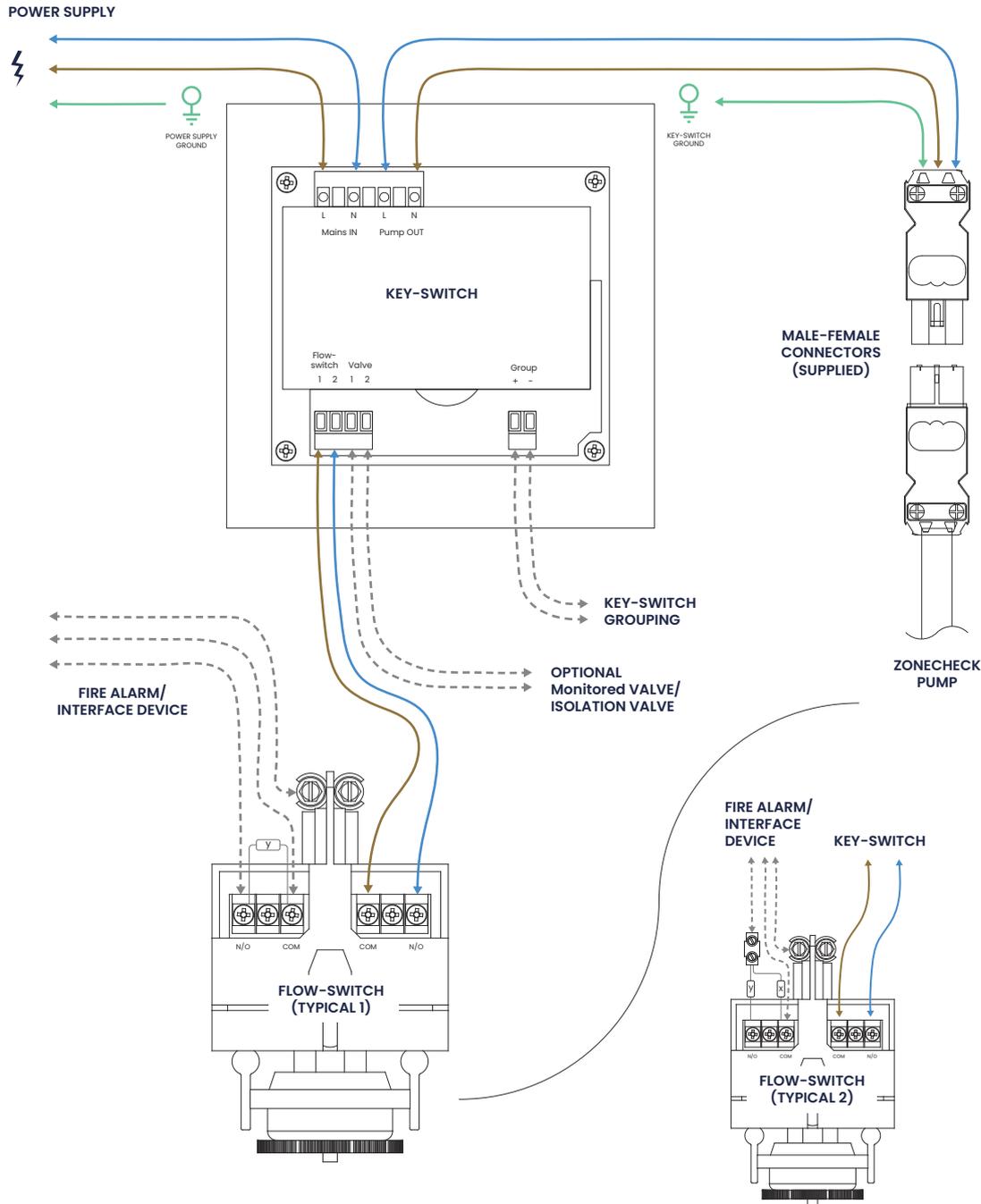
Wiring

Typical fire-alarm/flow-switch connections (Typical 1/Typical 2). Exact wiring required depends on type of fire panel used. Refer to specific fire-alarm panel instructions for further information/guidance.

Resistors sized according to specific alarm-panel requirements.

- (x) = fire/alarm resistor (usually 1Ω)
- (y) = end of line resistor (usually 470Ω)

Up to 25 Zonechecks can be tested simultaneously when the Zonecheck units are wired in parallel via 'group' by turning the master key-switch to 'Group Test'.



100% water saving

Remote testing

No water discharge

Approved

Simplified testing method

Code compliant

Sustainable testing

LPCB

VdS

FM

UL

Energy efficient

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

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 **PROJECT FIRE**