

Data Sheet

ZC-PW-DS-02/23-04

Zonecheck Pre-Wired

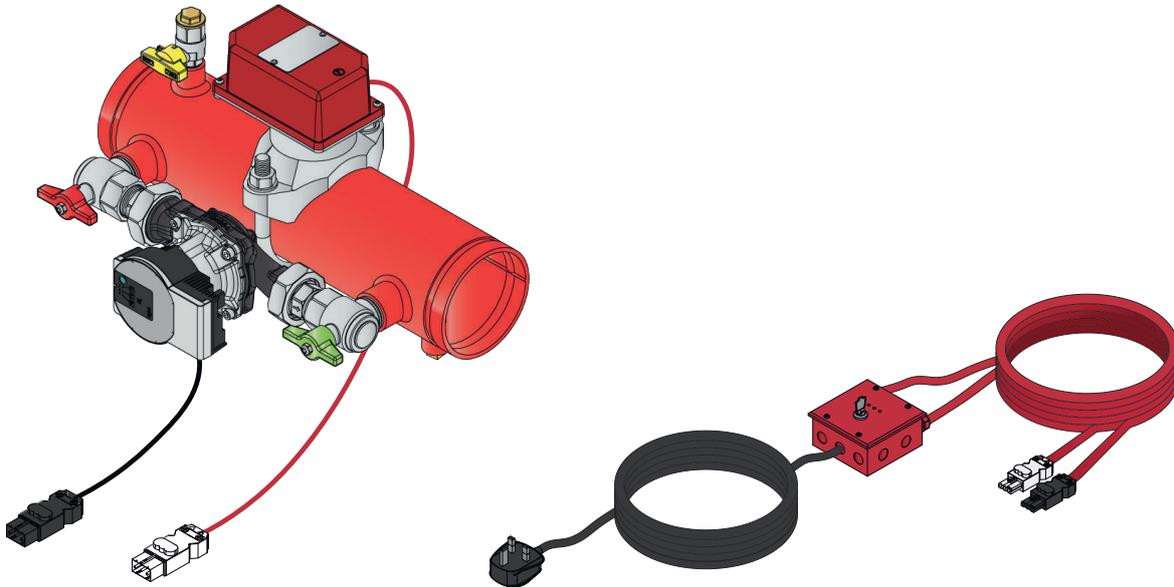
OVERVIEW

Zonecheck solves the problems associated with traditional flow-switch testing by removing the need to discharge water. 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. The pre-wired version of the zonecheck comes complete with a 5m loom of fire proof cable and a UK 3 pin plug to allow installation and commissioning without an electrician.

*Please state any specific approvals, electrical requirements, finishes etc. when ordering.



Specifications



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

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

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

CABLE	
Type	Fire performance Cable
Loom length	5m
Properties	Low-smoke, zero halogen & Flame retardent
Cable approval	BS7629-1, BS6387 & LPCB BS5839-1

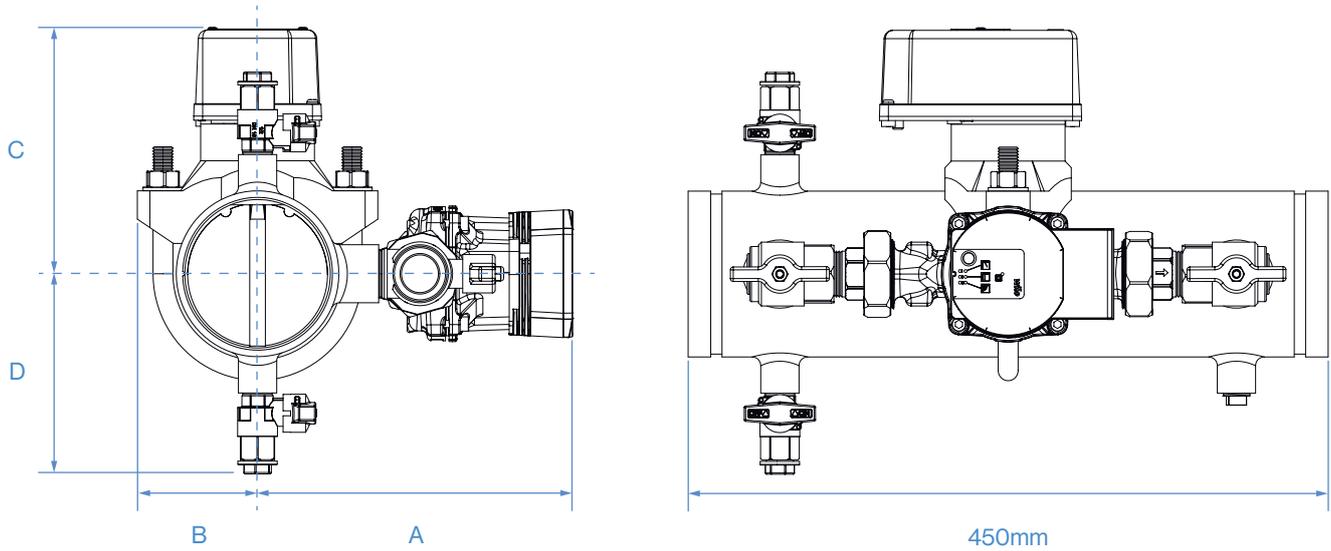
PUMP	
Type	Wilo Para
Operating voltage	230v 50Hz
Amps	0.82A
Max power rating	75W
IP Rating	IPX4D

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

Dimensions

PART CODE	IN	ØMM	A	B	C	D
ZC450-P50	2"	50	210	66	145	116
ZC450-P65	2½"	65	215	66	155	124
ZC450-P80	3"	80	220	85	165	130
ZC450-P100	4"	100	225	85	170	140
ZC450-P150	6"	150	250	115	195	170
ZC450-P200	8"	200	275	115	225	195

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

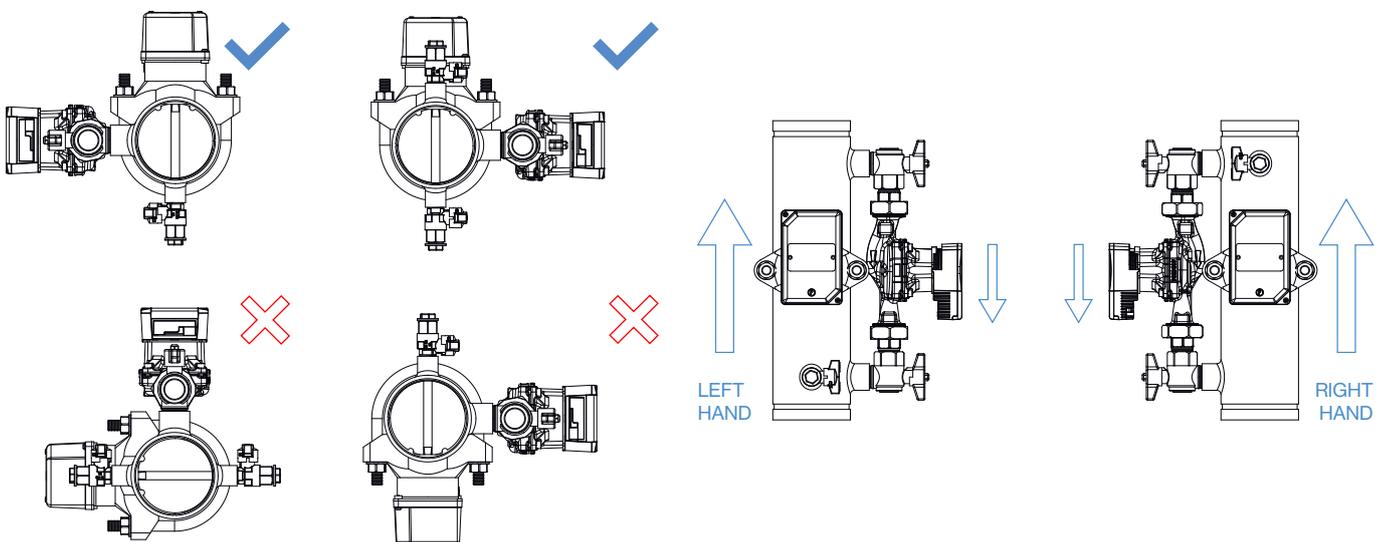


Orientation

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.

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

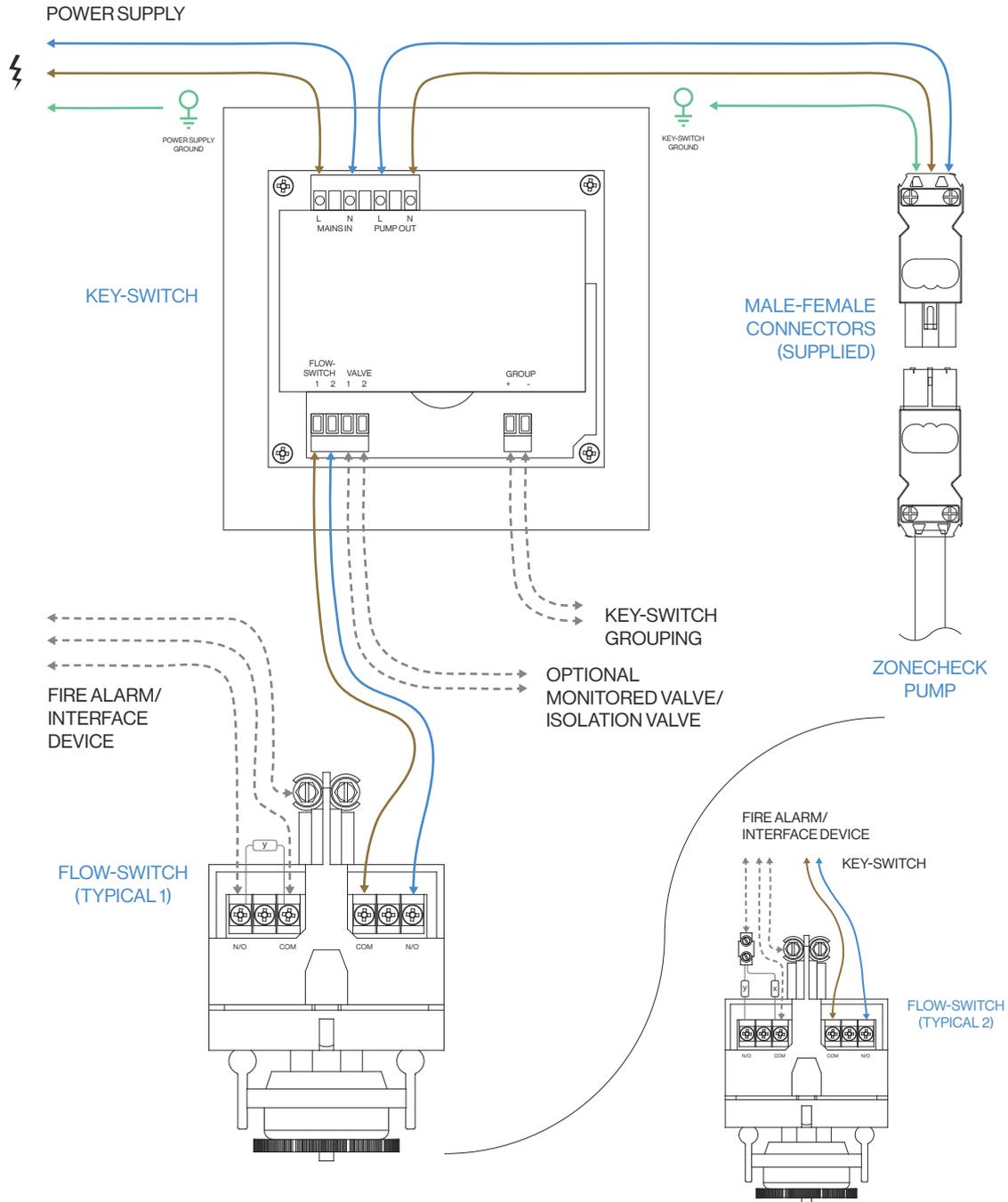


Wiring

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

Resistors sized according to specific alarm-panel requirements.

*(y) end of line resistor.



100% water saving

Remote testing

No water discharge

Approved

Simplified testing method

Code compliant

Sustainable testing

LPCB

VdS

FM

UL

Efficient

Staightforward Commisioning

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

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