

Data Sheet

ZCR-G-DS-09/25-16

OVERVIEW

Zonecheck® Residential is a compact, remote flow-switch testing device ideal for apartments, homes, and mixed-use developments. Using a closed-loop system, it simulates sprinkler operation without discharging water – saving every drop. Easy to install and operated at the flick of a switch, it's designed for remote zones such as individual floors or flats. A “full bore” version is available for full flow tests at installation.



Specification

ZONECHECK PUMP

Type	Wilo Para
Operating Voltage	230V 50Hz
IMAX	0.82 A
Max Power Rating	75 W Maximum
IP Rating	IPX4D

FLOW-SWITCH

Type	Potter
Triggering Flow Rate	15-38 L/min (4-10 GPM)
Working Pressure	17.25 bar (250 psi) max
Operating Temp Range	0-49°C (32-120°F)

TECHNICAL SPECIFICATION

Compatible Pipe	1", 1¼", 1½" BS EN 10255 / CPVC
Component Connections	BSP Threaded (CPVC Connectors Available)

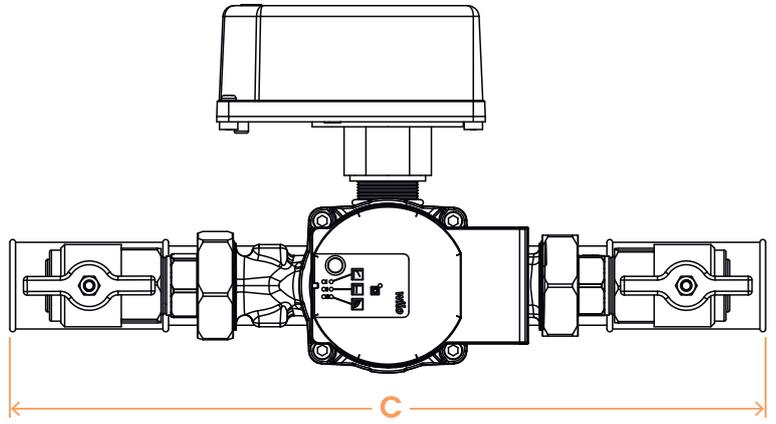
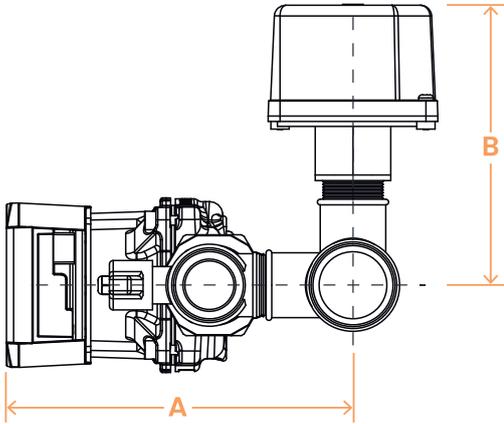
KEY-SWITCH

Voltage	230V 50Hz
Order No	ZCKYSE
Spare Key Order No	ZC-ALKK
LED Indication	Pump Running Flow-Switch Activated Valve Fault (Optional)
Max Group Size	25 Key-Switches
Max Group Cable Length	300m

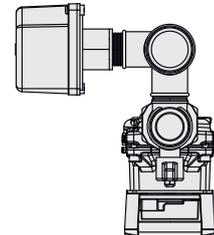
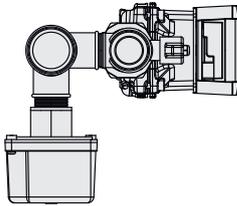
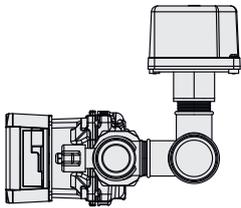
Dimensions

PART CODE	IN	ØMM	A	B	C
ZC-RES25	1"	25	175	140	400
ZC-RES32	1 ¼"	32	185	150	400
ZC-RES40	1 ½"	40	185	150	400

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



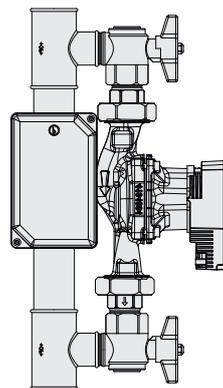
Orientation



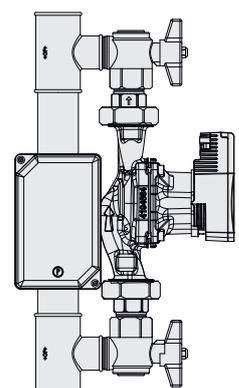
Installation Notes

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

Riser Applications

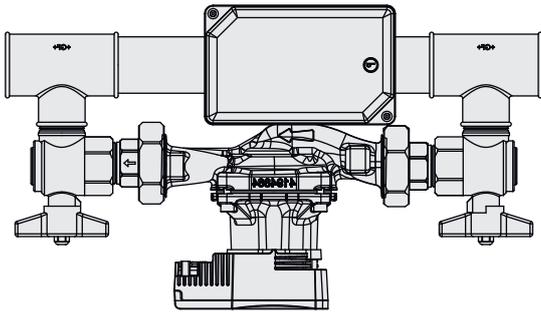


UPWARDS FLOW

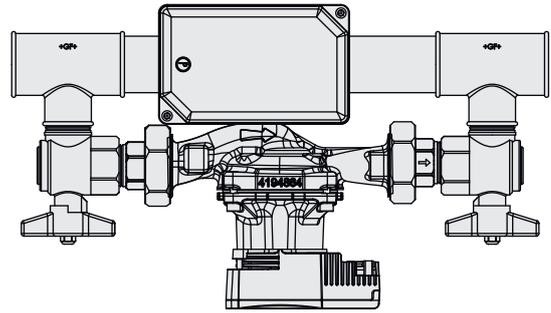


DOWNWARDS FLOW

Model Orientation



LEFT HANDED



RIGHT HANDED

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.

