KF-510 Kinetic 10-way Wiring Centre

Product overview

The KF-510 is a well sized robust design, with 10 zones as standard, a volt free boiler interlock and an adjustable pump delay, this product adds better performance capability to your underfloor heating system. Integrated connections for two independent valves, typically hot water cylinder and 1st floor radiator circuits , making heating controls installation easier and faster. Typically these can be two or three port zone valves

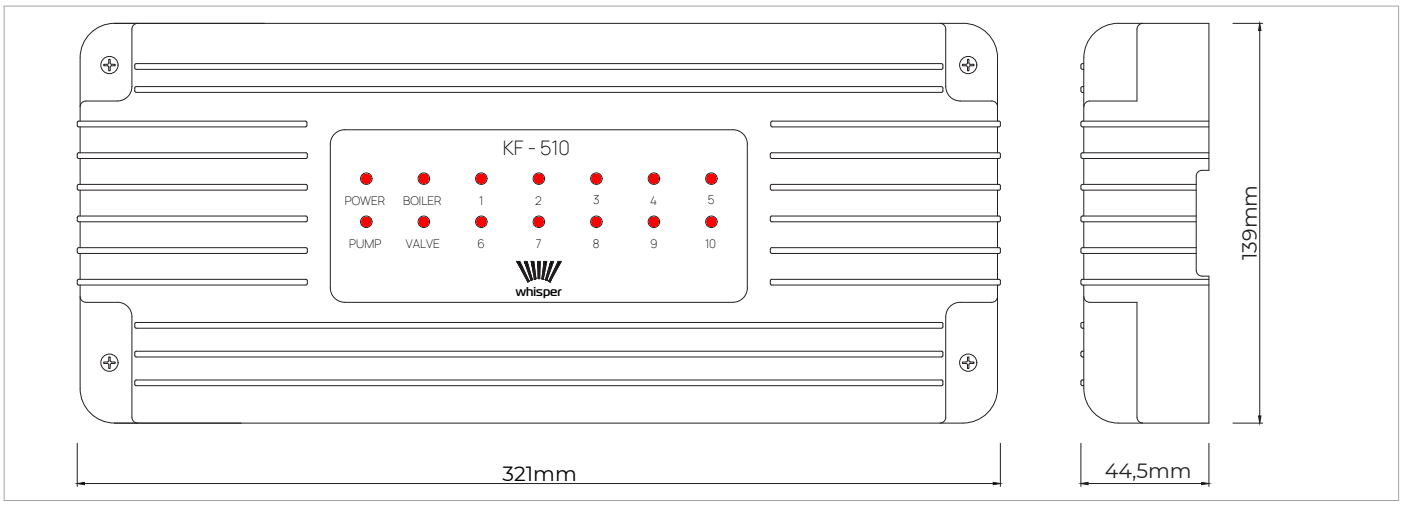
Zone 10 has a dedicated dip switch to opt the circuit out of operating the secondary circulation pump, beneficial for radiator circuits not needing the secondary pump.

With top thermostat and bottom actuator generous cabling entries, the installation is less crowded and easier to wire up

With LED lit circuits visible for power, boiler, pump and one of the two additional valves. When cover is closed it makes for simpler troubleshooting and resolution.

Technical specifications

Item	230V hard wired wiring centre
Product code	WC10-510
Dimensions	1 39x321x44.5mm
Weight	766g
Material	ABS
Max switching output	3A
No of zones	10
Output	Boiler – Volt free or 230V, pump, valves, and actuators – 230V
Supply voltage	230V
Protection rating	IP20
Colour	White
Mounting type	On wall or DIN rail
Cable entry	Long opening top and bottom with screwed down cable cables
Compliance	CE and UKCA
Features	Ability to control valves for UFH and RAD systems



Whisper Controls Limited
Unit 21D Avenue Two, Station Lane Industrial Estate, Witney, Oxfordshire, OX28 4YG, United Kingdom.
Tel: +44 (0)1993 640073 whispercontrols.com

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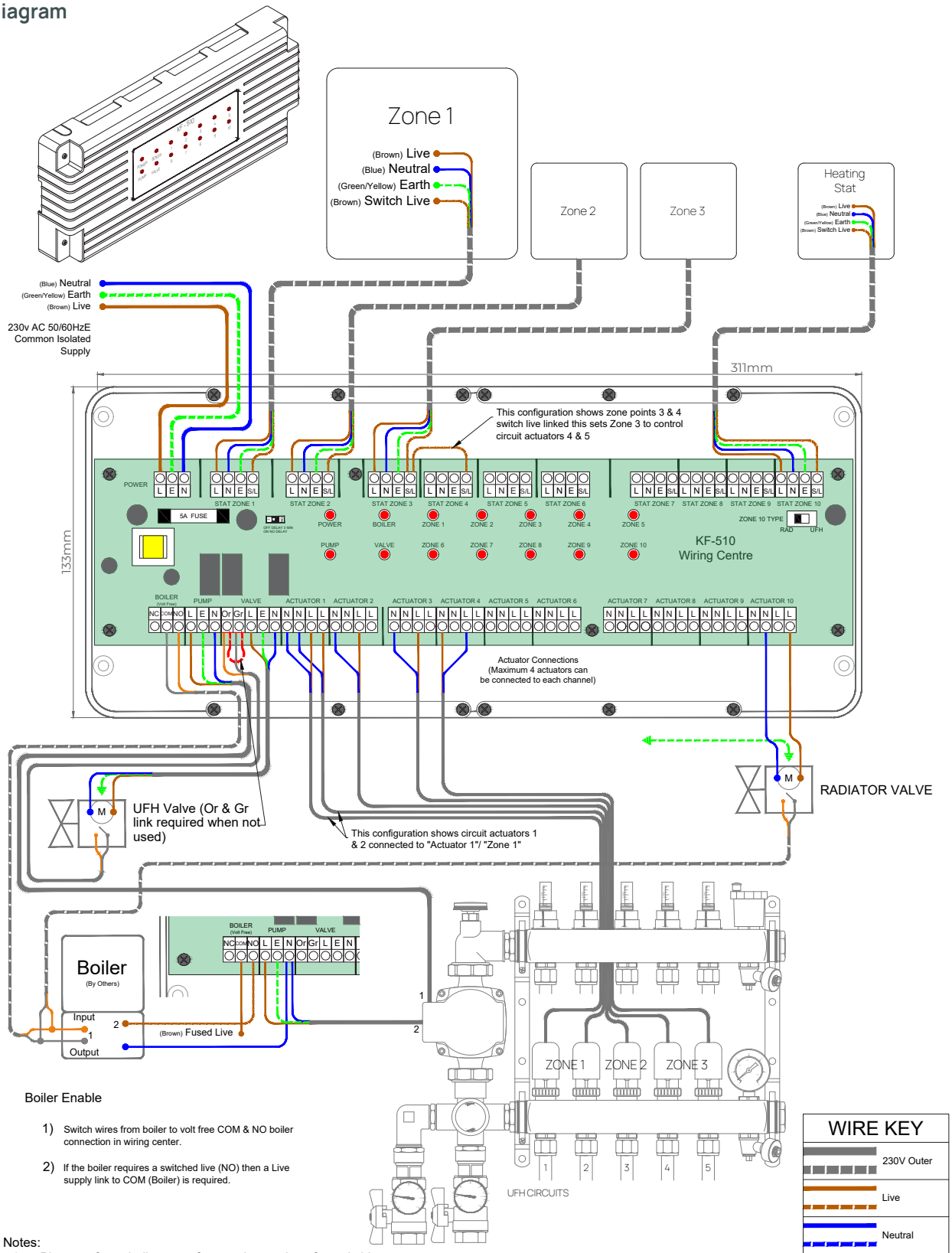
Wiring diagram



Boiler Enable

1) Switch wires from boiler to volt free COM & NO boiler connection in wiring center.

2) If the boiler requires a switched live (NO) then a Live supply link to COM (Boiler) is required.

WIRE KEY

- 230V Outer
- Live
- Neutral
- Earth
- Orange
- White
- Grey
- Black

Notes:

1. Please refer to boiler manufacturer instructions for switching.
2. Thermostats connected with a 1.0 - 1.5 flexible cable, but must be specified by the installer.

This product must only be installed by a qualified electrician and comply with local installation regulations.

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