

**Data Sheet**

# Hard-Wired Floor Heating Controls

## **FH-WC Connection Box - 230 VAC output**

**Application**

FH-WC is a connection box for use in hydronic floor heating systems supplied from a manifold.

FH-WC is a wiring center for connecting thermal actuators to the room thermostats. It is provided with two potential-free relays for controlling a circulation pump and a boiler. The relays are activated when one or more thermostats require heat.

FH-WC has 8 available outputs.

FH-WC is connected to 230 VAC/50 Hz.

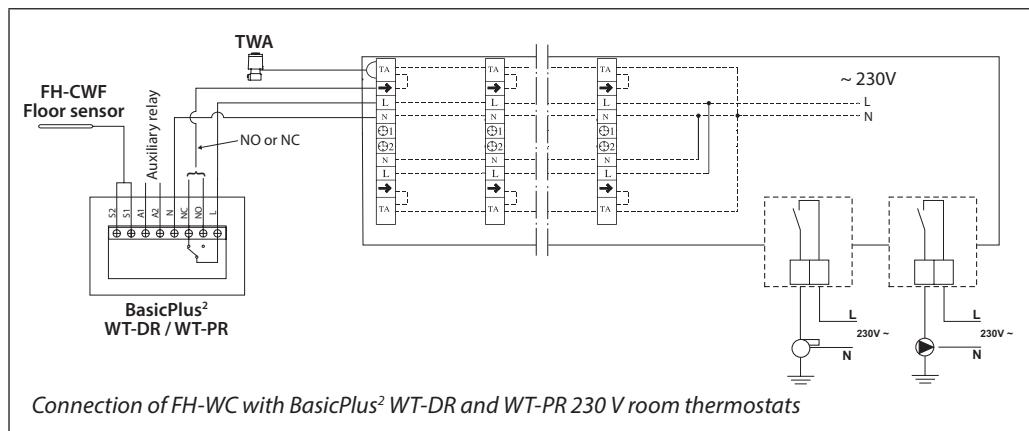
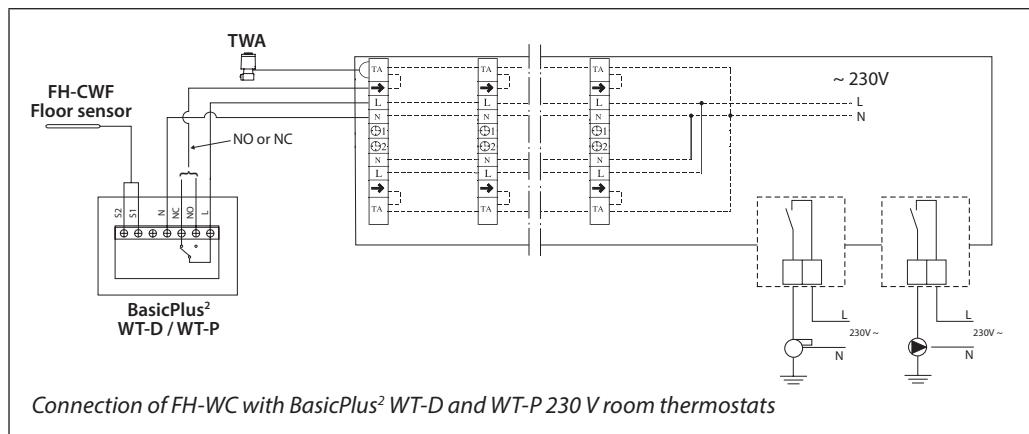
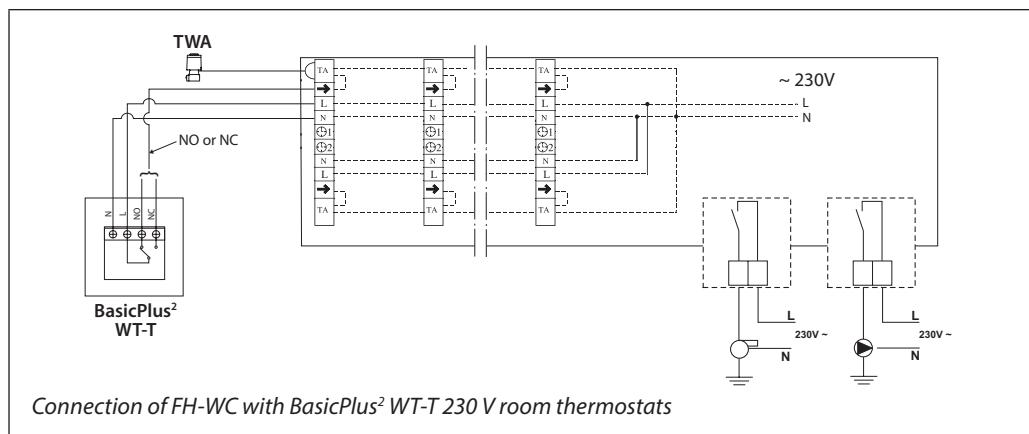
Mounting is made easy due to the symbols printed on the screw terminals.

**Ordering**

Product	Type	Supply voltage	Output voltage	Actuator, type/no.	Code no.
Connection box with power cord and plug	FH-WC	230 VAC	230 VAC	NC/16	<b>088H0016</b>

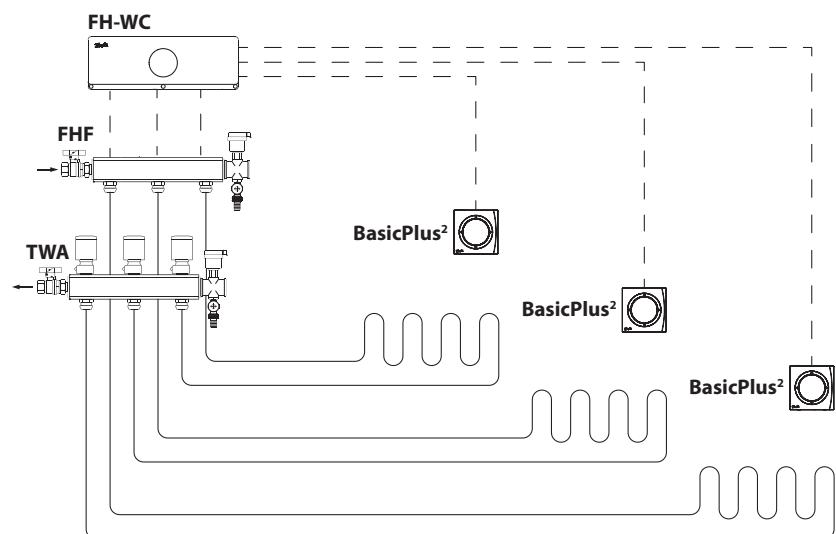
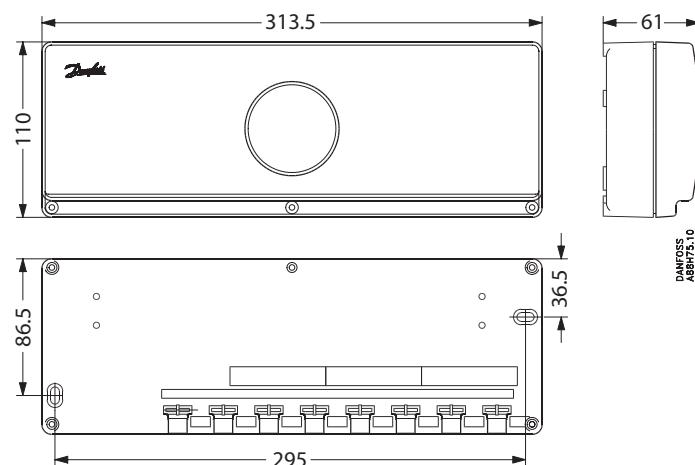
**Technical specifications**

Power supply	230 VAC $\pm$ 10%
Number of outputs	8
Output voltage	230 VAC
Max. load per output	3 W (max. 2 actuators per output)
Pump and boiler relay	Max. load 230 VAC (2A)
Ambient temperature	0 - 50° C
Transport temperature	-20 - 60° C
IP class	20
ErP class	 (1%)
Mains cable length	2 m
Weight	1.5 kg
Internal fuse	F 4.0 A

**Connection Diagrams**

**Please note!**

If the Normally Open (NO) output from BasicPlus<sup>2</sup> is used for pump or boiler relay, the function of the relay will be inverted.

For further information on the BasicPlus<sup>2</sup> range of room thermostats, see the appropriate data sheet.

**System Layout****Dimensions**

ENGINEERING  
TOMORROW



#### Danfoss A/S

Floor Heating Hydronics • Ulvehavevej 61 • DK-7100 Vejle • Denmark • Phone: +45 7488 8500 • Fax: +45 7488 8501  
[heating@danfoss.com](mailto:heating@danfoss.com) • [www.floorheating.danfoss.com](http://www.floorheating.danfoss.com)

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequent changes being necessary in specifications already agreed.  
All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.