

HCF82

WIRELESS ROOM TEMPERATURE SENSOR

PRODUCT DATA



FEATURES

- Individual room temperature control. The HCF82 is communicating with the underfloor heating controller e.g. HCE80 to keep the room temperature constant. The room setpoint will be sent e.g. from the CM67z or HCM200D
- Simple binding operation to reduce installation time
- Battery powered
- Remote access to the radiator controller HR 80 with HCM200D. The measured room temperature of the HCF82 will be communicated to the HCM200D and used for the room temperature control with HR80
- HCF82 used for room thermostat application with HCM200D. The relays HS20/HS30 are switched ON/OFF depending on the room temperature. The room setpoint is assigned by the HCM200D
- Room temperature control combined with the shading function for shutter control with HCM200D
- Frost protection. Depending on the measured room temperature the relay modules HS20/HS30 are switched ON/OFF. The HCM200 triggers the boiler request

GENERAL

The room temperature sensor HCF 82 measures only the current room temperature and send it to the assigned devices e.g. underfloor heating controller HCE80, Hometric Manager HCM200D. The HCF82 can be used for different applications heating control, in combination with shutter control and frost protection.

SPECIFICATIONS

ELECTRICAL

Operating Voltage : With 2 x AAA Alkaline Batteries (included) or external $3 \pm 10\%$ voltage, min. current 25 mA

RF Communication

RF band : 868,3 MHz Transmitter

Receiver class : 2

RF communication range : 30m in a residential building environment

RF communication Technology : short, high rate transmission to minimize air time and avoid collisions

ENVIRONMENTAL and STANDARDS

Storage temperature : $-20 \dots +70 \text{ }^\circ\text{C}$

Operating temperature : $0 \dots +40 \text{ }^\circ\text{C}$

Temperature sensing element : NTC 20 k Ω

Dimensions (HxWxD) : 103 x 99x 30 mm

Humidity : max. 5 ... 93 %

IP class : IP30

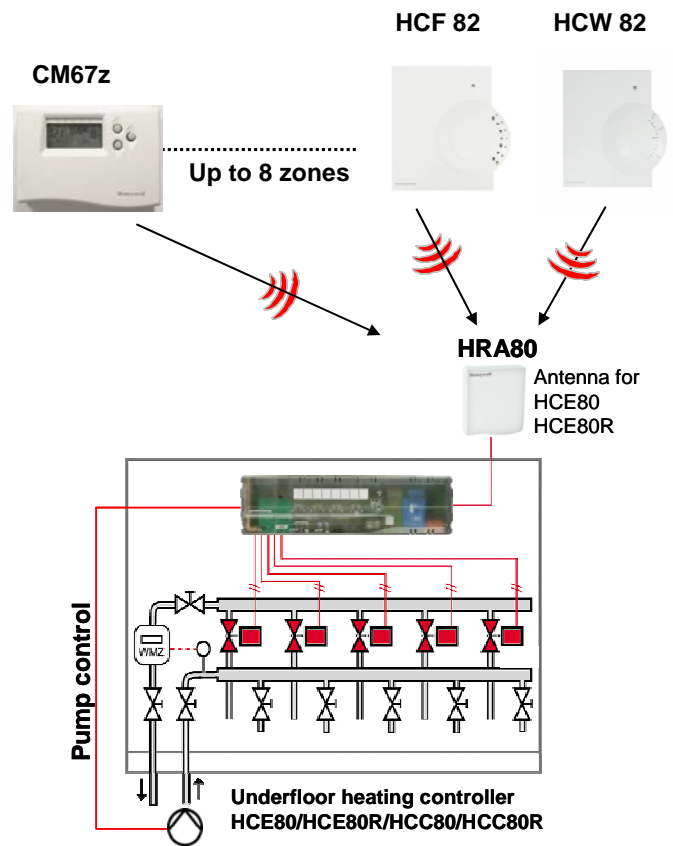
Compatible products : HCE80, HCE80R, HCC80, HCC80R, HCM200D

Approval : CE

APPLICATION EXAMPLES

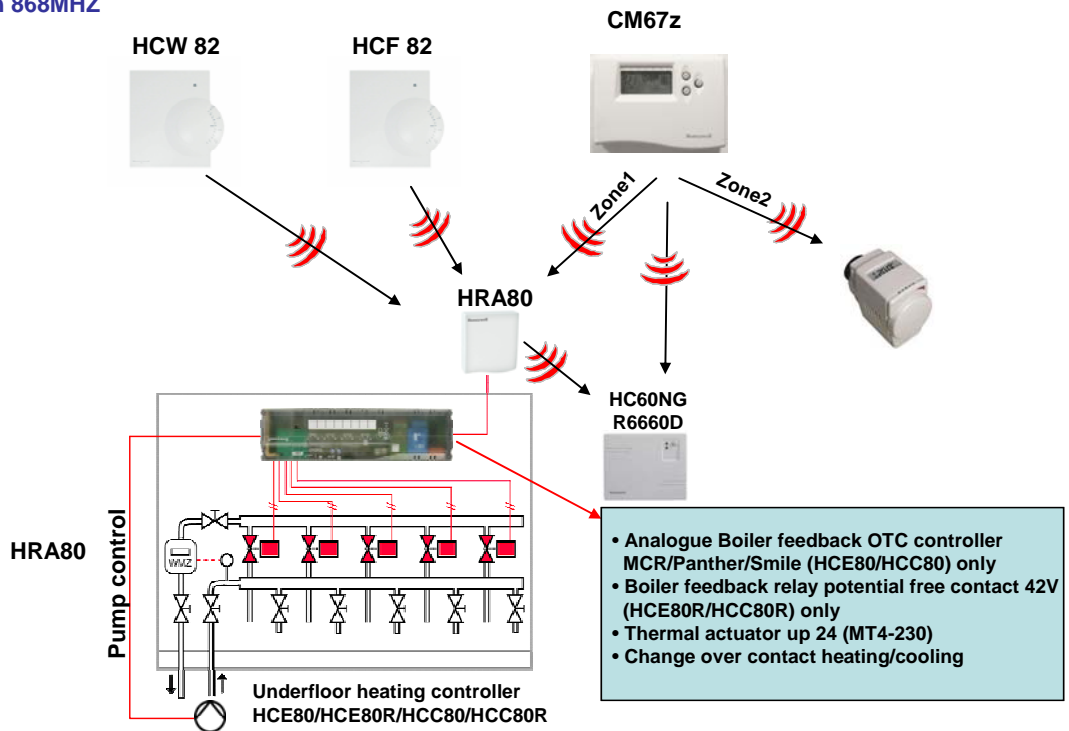
Application A

Underfloor heating with and without time program .
 The room unit CM67z can control up to 2 zones with individual time program. Only the zone 1 of the CM67z includes the room sensor for zone 2 the HCF82 must be additional allocated for the room temperature measurement to the same zone of the underfloor heating controller. The HCW82 is sending the room temperature and setpoint offset to the allocated zones without time program.
 Communication 868,3 MHZ



Application B

Underfloor heating and radiator control with CM67z
 Zone 1 of the CM67z is allocated to the underfloor controller
 and Zone 2 to the radiator controller HR80
 Communication 868MHZ



Honeywell

Automation and Control Solutions

Honeywell AG
 Boeblinger Strasse 17
 D-71101 Schoenaich
 Phone: (49) 7031 63701
 Fax: (49) 7031 637493
<http://europe.hbc.honeywell.com>

AutomatikCentret

Strandvejen 42 ♦ Saksild ♦ 8300 Odder
 86 62 63 64 ♦ www.automatikcentret.dk
info@automatikcentret.dk

Subject to change without notice. Printed in Germany

Manufacturing location certified to

DIN EN ISO
9001/14001

EN0B0547GE51 R0805

