

## HCW82

### WIRELESS ROOM THERMOSTAT

#### PRODUCT DATA



#### FEATURES

- Individual room temperature control. The HCW82 is communicating with the underfloor heating controller e.g. HCE80 to keep the room temperature constant
- Simple binding operation to reduce installation time
- Local setpoint override because simple analogue interface. Adjustment +12°C to -12°C.
- Window contact optional connectable wired (HCA30)
- Battery powered or external power supply possible
- Remote access to the radiator controller HR 80 with HCM200D. The setpoint of the HR80 can be adjusted with the HCW82 the room temperature sensor of the HCW82 is used.
- HCW82 used as room thermostat with HCM200D. The relays HS20/HS30 are switched ON/OFF depending on the room temperature
- Room temperature control combined with the shading function for shutter control with HCM200D

#### GENERAL

The wireless room thermostat HCW82 is used for individual room temperature control. The HCW82 is communicating with the underfloor heating controllers HCE80/HCE80R/HCC80/HCC80R and the Hometronic Manager HCM200D. The setpoint can be easily adjusted from -12°C to +12°C because the user friendly analogue interface. The HCW82 measures the room temperature and sends the value as offset temperature to the underfloor heating controller e.g. HCE80 and/or to the HCM200D in order to keep the room temperature constant.

For energy saving it can also send the status of the window contact to the HCM200D if it is installed.

#### 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

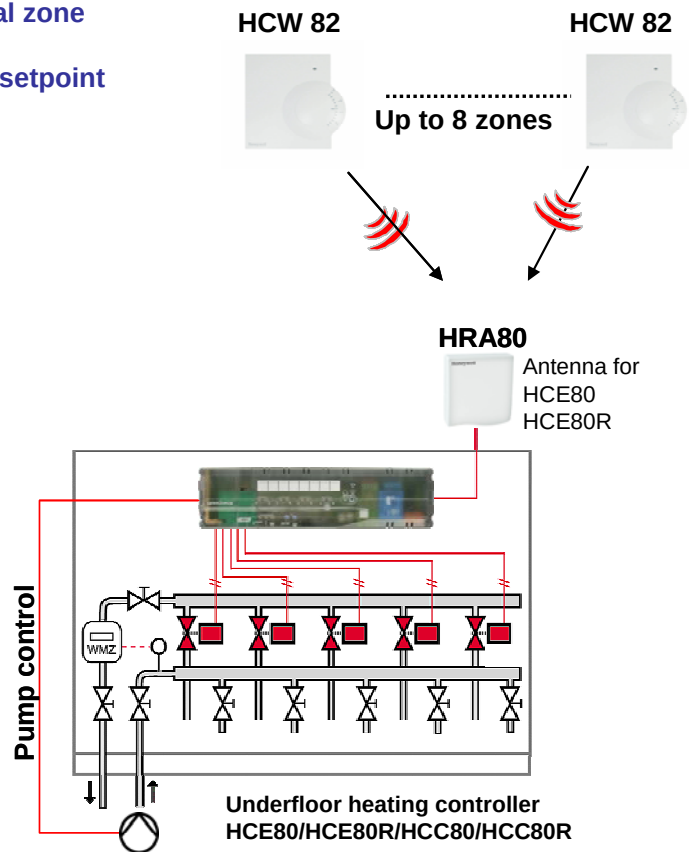
##### ENVIRONMENTAL and STANDARDS

**Temperature setpoint range (offset)** : -12 to +12 °C  
**Storage temperature** : -20 ... +70 °C  
**Operating temperature** : 0 ... +40 °C  
**Temperature sensing element** : NTC 20 kΩ  
**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

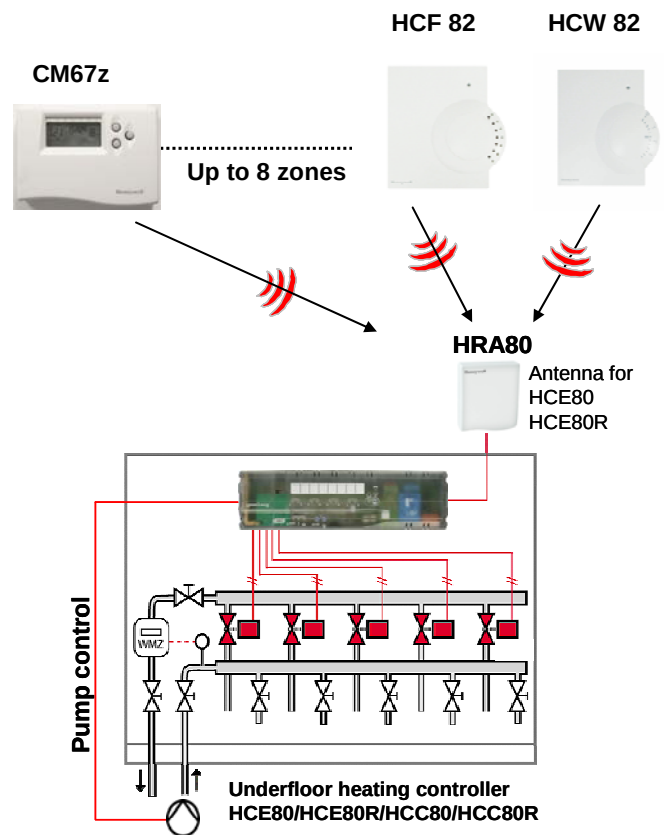
### Application A

**Underfloor heating without time program.**  
The HCW82 must be allocated to the individual zone to be controlled.  
HCW82 is sending the room temperature and setpoint offset to the underfloor controller.  
Communication 868,3 MHz

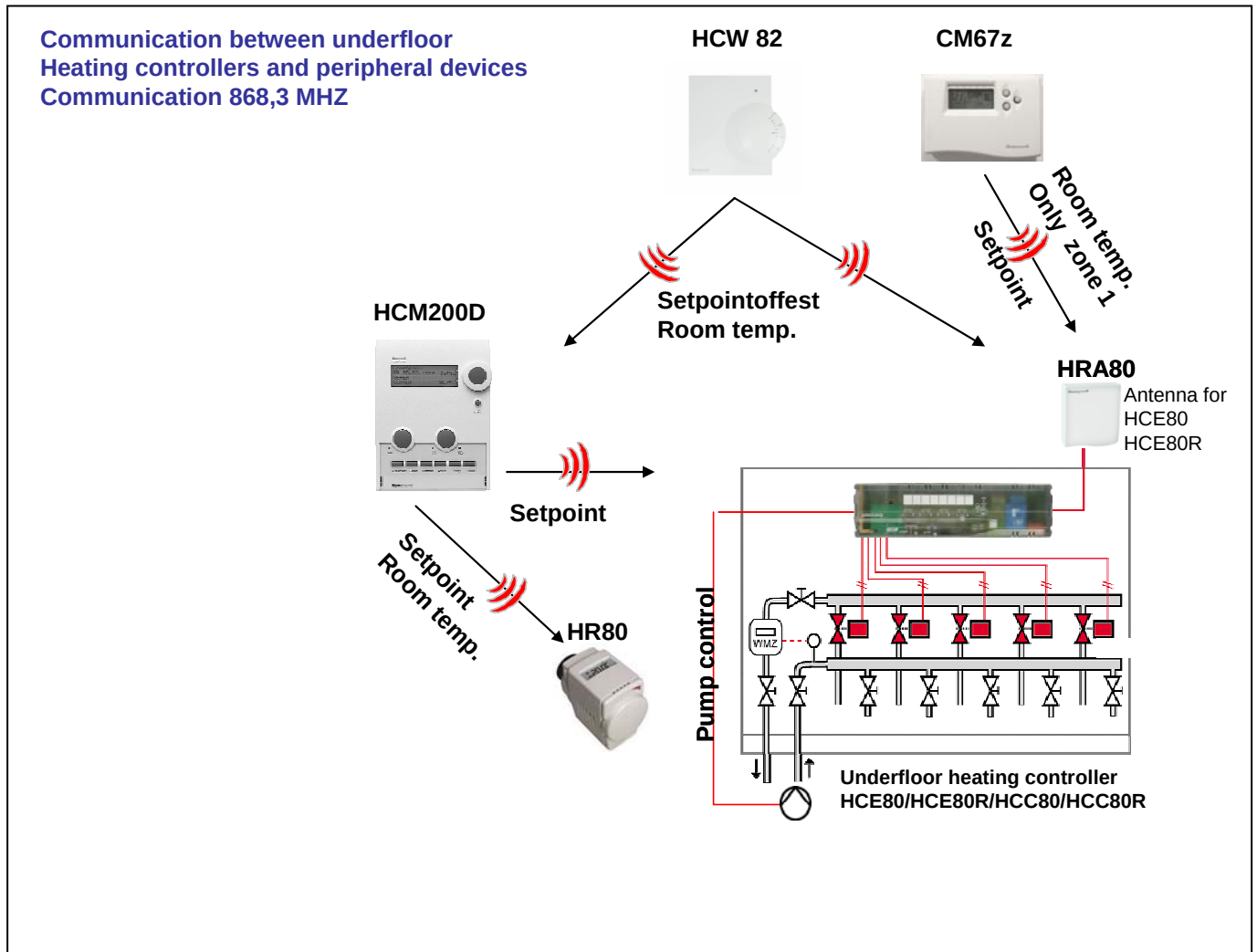


## Application B

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 C



**Honeywell**

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