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HR 80

WIREFREE RADIATOR CONTROLLER FOR ZONING APPLICATIONS

PRODUCT DATA



FEATURES

- Modern styling matching any room décor and radiator style
- LCD display providing setpoint and system diagnostic information
- Local setpoint override dial for maximum user comfort
- Fuzzy control algorithm providing precise temperature control
- Weekly valve exercise function
- Open window automatic detection for maximum energy efficiency
- Battery powered
- Self-adaptation to the stroke of the radiator valve
- Simple binding operation to reduce installation time
- Available also as a part of pre-configured system packs where no binding is required
- Built-in or remote (RF) sensor temperature signal can be used (if temperature sensing at the radiator is not required)
- Wireless boiler interlock signal to HC 60 NG

GENERAL

The HR 80 radiator valve RF controller has been designed to provide individual room control in advanced heating systems where zoning is required.

The HR 80 uses fuzzy logic algorithm to provide precise temperature control in a room.

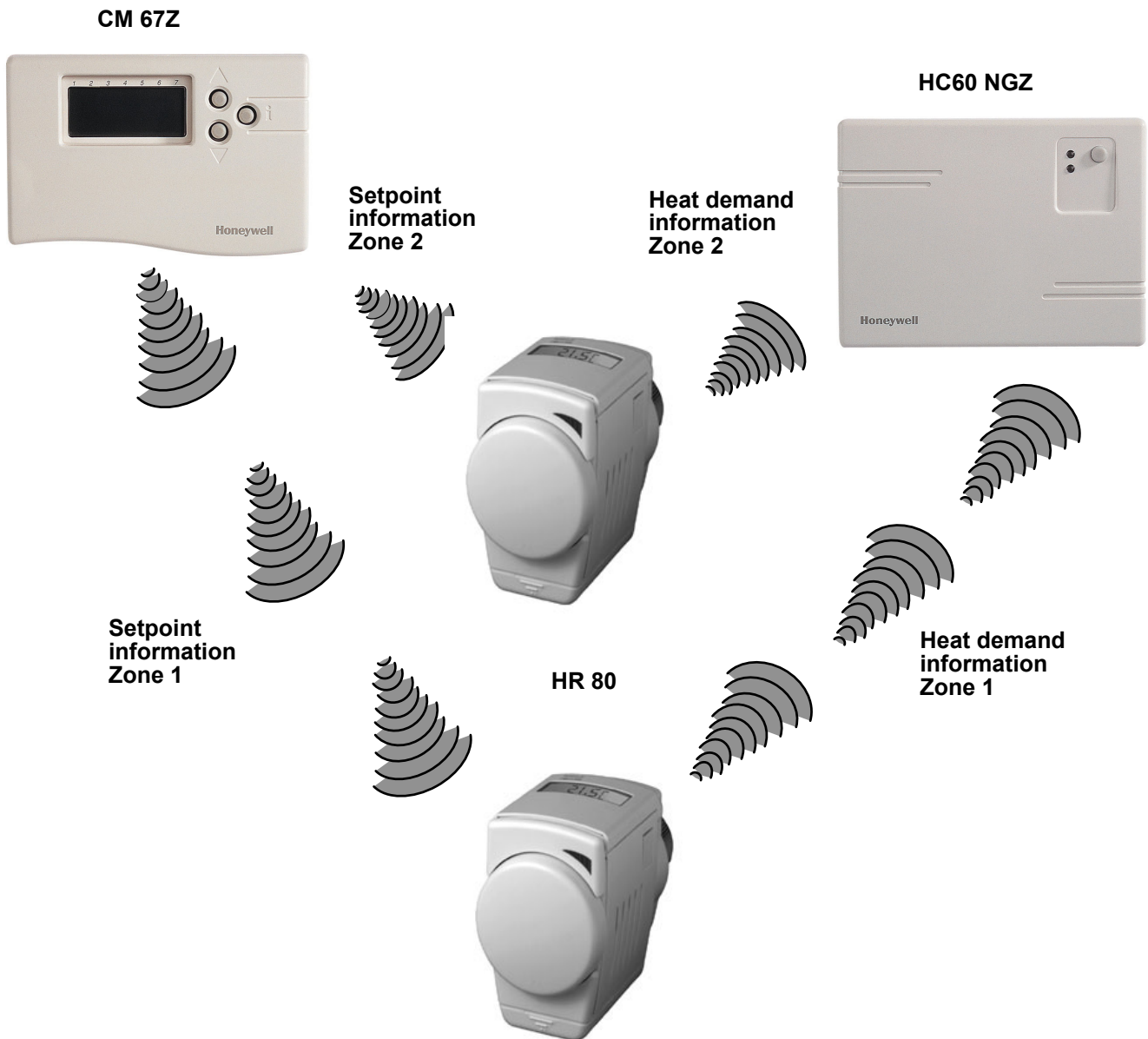
The HR 80 is a transceiver and it receives current setpoint value from the remote room unit CM 60Z. In this way, it maintains the time and temperature program set by the user. The HR 80 also sends a load demand signal to the boiler box HC 60NG.

The HR 80 radiator controller can be easily fitted to any conventional radiator valve. Honeywell, Braukmann, MNG, Heimeier, Junkers, and Landis & Gyr Duogyr valves do not require adapters. The HR 80 is adapting itself automatically.

SPECIFICATIONS

Temperature setpoint range	5 ... +30 °C
Frost protection temperature	5 °C
Storage temperature	-20 ... +70 °C
Operating temperature	0 ... +40 °C
Temperature sensing element	NTC 20 kΩ, built in or external from remote unit
Dimensions (HxWxD)	80 x 50 x 105 mm
Humidity	max. 5 ... 93 %
Stroke	3,2 mm
Closing dimension	11,5 mm
RF band	868 MHz
Receiver class	2
Compatible products	CM 67Z, HC60 NGZ
Batteries	2 x AAA Alkaline (included)
Approval	CE

APPLICATION



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Subject to change without notice. Printed in Germany

EN0H-0445 GE51 R0303

Manufacturing location certified to

DIN EN ISO
9001/14001