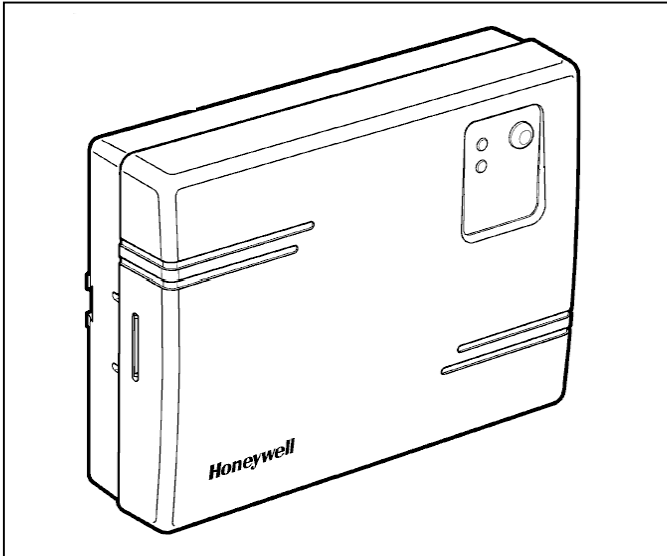


## HC60NG RECEIVER WITH ENHANCED ZONING FUNCTIONALITY

### PRODUCT SPECIFICATION SHEET



The **HC60NG** Receiver is designed to form an integral part of an RF based room temperature control system. It is suitable for boiler, zone valve or pump control as well as to control electric heating appliances.

The **HC60NG** has a potential free ON/OFF output, which is controlled on the basis of demand signals delivered by compatible transmitters in the systems (e.g. CM60RFNG, CM67Z or HR80).

In zoning systems the HC60NG acting as the boiler controller is collecting demand signals from many different transmitters and calculates the boiler on time which to satisfy the heat demand whilst maintaining efficiency of the system

The **HC60NG** uses reliable RF communication technology in the 868MHz band.

### FEATURES

- Standard versions of the receiver can be used as boiler, zone valve or electric heating controller
- Unique ID code learning function allows the receiver to react to appropriate RF messages and ignore the ones which are addressed to other devices
- Reliable RF communication utilising 868 MHz band with 1 % duty cycle limit to minimise communication disturbance
- Maximum system efficiency and extended boiler life due to smart boiler feedback mechanism and unique boiler-zone valve synchronisation mechanism
- Push button for manual override
- 2 LED's provide feedback on system status and facilitate system commissioning
- Compatibility with domestic heating systems ensured by 24...230V 10A resistive, 3A inductive SPDT relay
- The HC60NG may be surface or wall box mounted

### SPECIFICATIONS

#### ELECTRICAL

Receiver power supply	: 230V AC +10% - 15%, 50Hz
Switch type	: SPDT potential free
Output rating	: 24-230 V AC, 10 A resistive, 3 A inductive 0.6 p.f.
Wiring (receiver only)	: Cable terminals for mains and relay wiring for max 2.5 mm <sup>2</sup> wire
Wire access	: from the rear (wall box mounting), right or bottom

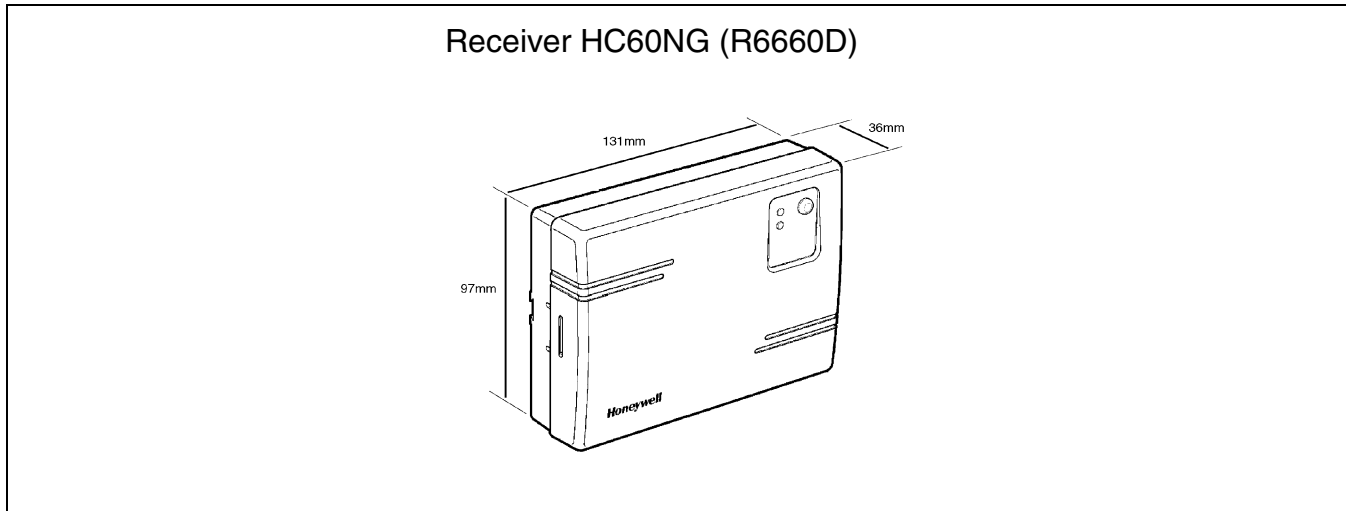
#### RF

RF operation band	: ISM (868.0-868.6) MHz, 1% duty cycle
RF communication range	: 30 m in a residential building environment
RF communication technology	: short, high rate transmissions to minimise air time and avoid collisions
Blocking immunity	: Receiver class 2 (ETSI EN300 220-1 version 1.3.1)
RF binding method	: Factory pre-bound with the room unit. For multi-zone application receiver can be bound to 4 different room units via simple binding procedure)

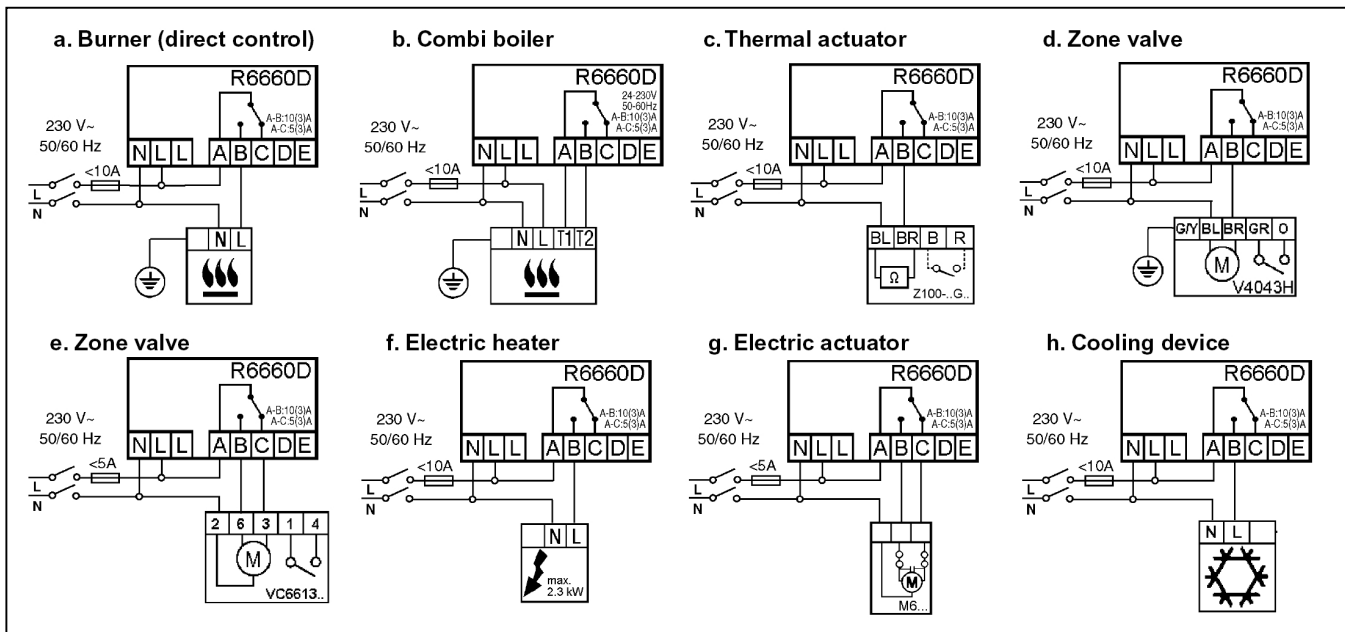
#### ENVIRONMENTAL & STANDARDS

Operating temperature	: 0 to 40°C when relay load < 8 A
	: 0 to 30°C when relay load > 8 A
Shipping & storage temperature	: -20 to 55°C
Humidity	: Humidity range 0 to 90% rh, non-condensing
IP class	: 30
Meeting the following standards	: EN60730-1(1995), EN55014-1(1997), EN55014-2(1996), ETSI EN300 220-3 (2000), ETSI EN301 489-3(2000)

# DIMENSIONS



# WIRING



# ORDERING SPECIFICATION

Description	Model	Logo	Literature	Spec Sheet
Boiler Controller (HC60NG)	R6660D1009	Honeywell	EN, GE	ENOR8535



Honeywell Control Systems Limited  
 Newhouse Industrial Estate  
 Motherwell ML1 5SB  
 United Kingdom

<http://europe.hbc.honeywell.com>