

E6 SMART DIGITAL THERMOSTAT

The Honeywell INNCOM E6 Smart Digital Thermostat is a powerful, multi purpose Direct Digital Control (DDC) device. It is designed to control virtually any HVAC system like fan coil unit, heat pump or packaged terminal air conditioner found in hotel guestrooms.

The Honeywell INNCOM E6 Smart Digital Thermostat is a member of Honeywell's INNCOM Integrated Room Automation System. It includes an easy to read illuminated liquid crystal display, and its compact design allows it to be installed in British standard size electrical boxes.

The Honeywell INNCOM E6 Smart Digital Thermostat is a sleek, device that has been designed specifically on a using a British single-gang electrical box.

It is equipped with an onboard radio frequency (RF) transceiver and a passive infrared occupancy sensor (PIR), humidity sensor (optional), and outside temperature display. It also has a light sensor to aid in occupancy detection and RS-485 connectivity to the mesh network.

The E6 can be used in a standalone application or integrated with the Honeywell INNCOM Integrated Room Automation System on a centrally controlled network.



E6 Smart Digital Thermostat with flat PIR (Black)



E6 Smart Digital Thermostat with flat PIR (White)

FEATURES AND BENEFITS



Precision DDC temperature control

Advanced energy management



On-board PIR optional

RF Wireless Communication with the door lock and network

Built in RS-485, Temperature sensor and PIR sensor



Custom programmable parameters

Low voltage

One Digital Input to connect window/door contact/PIR via wired connection



Can be integrated with the INNCOM Room Automation System over the Deep Mesh Network with INNCOM's INNcontrol 3 software



Balcony Door Monitoring

Minibar & safe monitoring

Smoke detector monitoring

Honeywell

APPLICATIONS

When used as an HVAC controller or thermostat in conjunction with an external control module, it will automatically adjust fan speeds and valves or compressor run time to achieve set temperature. The E6 can also be used with a Guestroom Keycard Controller to provide accurate temperature control in a guest-initiated energy conservation system.

As the key node in an occupancy-based Energy Management System (EMS), it receives inputs from a PIR motion detector and the wired or wireless door switches to determine guestroom occupancy. During times when the room is rented but the guest is not present, the temperature can range up or down within a programmable setback band from the guest's selected temperature. This results in energy savings with no impact on guest comfort.

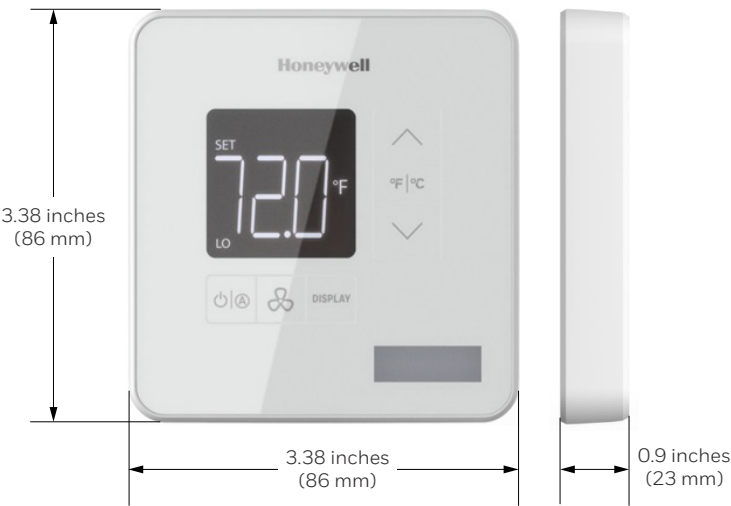
When it is connected to Honeywell's centrally controlled system additional energy savings are achieved by using a broader setback band when the guestroom is un-rented. It can also apply wider temperature setback bands when the room is in hibernation during offseason periods.

The Honeywell INNCOM E6 Smart Digital Thermostat can act as a signal repeater with other room devices, such as Lamp Control Modules, having wireless transceivers or S5bus connectivity. It can also monitor a balcony door, window, minibar or smoke detector.

PART NUMBERS

E6 SERIES THERMOSTAT PART NUMBERS	
PART NUMBER	DESCRIPTION
HON-INN-E6-BK	E6 BRITISH/INT'L SIZE THERMOSTAT, 3.5x3.5 - RF CAPABLE, 12V, PIR MOTOIN SENSOR- Black color.
HON-INN-E6-WH	E6 BRITISH/INT'L SIZE THERMOSTAT, 3.5x3.5 - RF CAPABLE, 12V, PIR MOTOIN SENSOR- White color

DIMENSIONS



PRODUCT SPECIFICATION

ELECTRICAL	
PARAMETER	SPECIFICATION
Dimensions	3.38" W x 3.38" H x 0.9" D (86 mm x 86 mm x 23 mm)
Power Requirements	Power in: 12 VDC, 50 mA
Mounting	Standard British Gang Size
Operating Range	41 °F to 149 °F (5 °C to 65°C)
Temperature	± 1 °F 60 °F to 85 °F (± 0.5 °C 15 °C to 30 °C)
Approvals	CE
Standard Color Options	White & Black
Thermostat Measurment Range	33 to 99 °F (1 to 37 °C)
Outdoor Air Temperature Display	0 to 99 °F (-18 to 37 °C)
Display Resolution	1 °F, 0.5 °C
Standard Deadband	2 °F (1 °C) between heating and cooling
C/F Degrees Display	Toggle Button on front of display
Ambient Operating	41 to 149 °F (5 to 65 °C), 0-95 % RH noncondensing
Ambient Storage	33 to 149 °F (1 to 65 °C)
Rf Data Rate	250kbps
Antenna Type	SMT
Indoor Range	70 ft
Frequency Band	2.4 GHz
Protocol	802.15.4
Frequency Channels	11-26

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715 Peachtree Street NE
Atlanta, Georgia 30308, USA

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