

E-Series

Smart Digital Thermostat E527

A Direct Digital Control (DDC) processor capable of controlling virtually any fan coil unit, heat pump or packaged terminal air conditioner found in guestrooms.

OVERVIEW

The INNCOM e4 Smart Digital Thermostat Model E527 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 both International and American standard size electrical boxes.

It can be equipped with an onboard radio frequency (RF) transceiver and a passive infrared occupancy sensor (PIR), humidity sensor, outside temperature display and the award-winning, patented ecoMODE®. It also has a light sensor to aid in occupancy detection and RS485 connectivity to the mesh network.

The E527 can be used in a standalone application or integrated with the Honeywell INNCOM Integrated Room Automation System on a centrally controlled network.



E527 Smart Digital Thermostat with flat PIR and the patented ecoMODE button

FEATURES & BENEFITS



Precision DDC temperature control

Advanced energy management

Optional ecoMODE®



On-board PIR optional

RF Wireless Communication

Oversized framing plate

for use in US applications



Customer programmable parameters

Low voltage

Low installation costs



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



Multi-point lamp control

Balcony Door Monitoring

Minibar & safe monitoring

Smoke detector monitoring

E527 Smart Digital Thermostat

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 E527 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 E527 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.

CONFIGURATIONS

- 5 Button Standard
- 5 Button with PIR
- 6 Button Standard
- 6 Button with PIR
- 6 Button with ecoMODE
- 6 Button with ecoMODE and PIR

For more information

www.inncom.com

Honeywell

277 West Main Street
Niantic, CT 06357
+1.860.739.4468

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SPECIFICATIONS	
DIMENSIONS	3.5" W x 3.5" H x 0.9" D (89 mm x 89 mm x 23 mm)
POWER REQUIREMENTS	Power in: 1.2VDC, 50mA
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 Mark Listed FCC part 15B Compliant
STANDARD COLOR OPTIONS	White & Black
THERMOSTAT MEASUREMENT RANGE	33 to 99 degrees F (1 to 37 degrees C)
OUTDOOR AIR TEMPERATURE DISPLAY	0 to 99 degrees F (-18 to 37 degrees C)
DISPLAY RESOLUTION	Whole degree F, 0.5 degree C (0.1 degree F in test mode)
STANDARD DEADBAND	2 degrees F (1 degree C) between heating and cooling
C/F DEGREES DISPLAY	Toggle Button on front of display
AMBIENT OPERATING	41 to 149 degrees F (5 to 65 degrees C), 0-95% RH noncondensing
AMBIENT STORAGE	33 to 149 degrees F (1 to 65 degrees C)
RF DATA RATE	250kbps
ANTENNA TYPE	SMT
INDOOR RANGE	70ft
FREQUENCY BAND	2.4GHz
PROTOCOL	802.15.4
FREQUENCY CHANNELS	11-26



E527 Smart Digital Thermostat 5 button standard with flat PIR

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THE POWER OF **CONNECTED**