

E-Series

Smart Digital Thermostats E528 & E529

The E-Series is a hub for room automation. It is capable of controlling virtually any fan coil unit, heat pump or packaged terminal air conditioner found in rooms. It includes an easy to read illuminated liquid crystal display and five built-in relays.

OVERVIEW

The E-Series can be equipped with an on-board radio frequency (RF) transceiver, a passive infrared occupancy sensor (PIR), humidity sensor, outside temperature display, and the patented ecoMODE® green button.

The E-Series can be used to integrate the room to the property for central control and monitoring, to integrate controls within the guestroom, or as a stand alone thermostat.

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



E528 Smart Digital Thermostat with flat PIR and the patented ecoMODE button



E529 Battery Powered Smart Digital Thermostat

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

Low voltage

Low installation costs

Optional Battery Powered



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

E528 & E529 Smart Digital Thermostats

APPLICATIONS

When connected to Honeywell's centrally controlled system, additional energy savings are achieved by using a broader set-back band, when the room is unoccupied for a certain length of time. It can also apply wider temperature set-back bands when the room is in hibernation off-season or extended away periods.

The INNCOM E-Series wireless transceiver allows it to seamlessly add lighting, drapery, and amenity controls through usage of the INNCOM's EVORA, and MODEVA wall switches. In addition, it can also receive inputs from other points in the room such as a balcony door, minibar or smoke detector and transmit their status to the central server.

ADDITIONAL OPTIONS

Available with or without the Honeywell logo

Available with or without a Humidity Sensor

Available with or without Auxiliary Communications.
The following are offered: RF, IR5, RS485

CONFIGURATIONS

Blank

Standard PIR

Standard PIR & ecoMODE Button

ecoMODE Button

Flat PIR

Flat PIR and ecoMODE Button

SPECIFICATIONS	
DIMENSIONS	4.7" W x 4.7" H x 1.2" D (119 mm x 119 mm x 30 mm)
POWER REQUIREMENTS	24 VAC at 50/60 Hz, 24 VDC nominal, 2.4 VA (e528-3xx/7xx and e528-4xx) 100 to 277 VAC at 50/60 Hz, 2.4 VA (e528-8xx)
MOUNTING	Standard Double Gang Junction Box (4x4)
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	L listed #873, CAN/CSA C22.2 No. 24-93 File #E202540/Part 15 of the FCC Rules
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
OPTIONAL POWER SUPPLIES	No Power Supply 120-277VAC 265-277VAC 50/60Hz w/3.6FLA high fan relay (600 Series) 50/60Hz w/2.2FLA high fan relay (800 Series) 24VAC 50/60Hz (900 Series) Four AA Batteries (E529 Only)
INDOOR RANGE	70ft - 100ft+
FREQUENCY BAND	2.4GHz
PROTOCOL	802.15.4
FREQUENCY CHANNELS	11-26

For more information

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E528-E529Data | RevD | 06/17
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