

e⁴ SMART DIGITAL THERMOSTAT MODEL E529



TEL: (860) 739-4468 • FAX: (860) 739-4460 • EMAIL: solutions@inncom.com • WEB: www.inncom.com

DESCRIPTION

The e⁴ 529 Smart Digital Thermostat is member of INNCOM's Integrated Room Automation System (IRAS). It is a powerful, battery-powered, multi-purpose controller. Its core is a Direct Digital Control (DDC) processor capable of controlling virtually any fan coil unit, heat pump or packaged terminal air conditioner found in guestrooms. It includes an easy to read illuminated Liquid Crystal Display, an on-board infrared (IR) transceiver and the separate X529 logic board.

The e⁴ 529 can be equipped with a passive infrared occupancy sensor (PIR), humidity sensor, outside temperature display, Do Not Disturb / Make-Up-Room Buttons and the patent-pending ecoMODE™ green button.

The e⁴ 529 Smart Digital thermostat can be used in stand-alone application or integrated with the IRAS using low voltage wiring (S5 bus) or wirelessly using IDIR (INNCOM Diffused Infrared) or ZigBee RF technology.

APPLICATION

The e⁴ 529 is a multi-capability DDC controller. When used as an HVAC controller or thermostat it will automatically adjust fan speeds and valves or compressor run time to achieve set temperature.

As the key node in an Energy Management System (EMS) mode, the e⁴ 529 receives inputs from the 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 is allowed to drift 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 the e⁴ 529 is connected to INNCOM's centrally controlled system via the X529 logic board, additional energy savings are achieved by using a broader setback band when the guestroom is un-rented. The e⁴ 529 can also apply wider temperature set-back bands when the room is in hibernation during off-season periods.

The on-board IR transceiver enables the e⁴ 529 to control lamps equipped with the INNCOM L206 or L208 Lamp Control Module or other devices connected to the S5 bus or equipped to receive wireless signals. In addition, the e⁴ 529 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.

OPERATION

The e⁴ 529 is designed to be easy to use by the guest. The easy to read buttons can be used to turn the unit to AUTO or turn it OFF. The FAN button lets the user select among the available fan speeds and the DISPLAY button lets the user toggle between the set temperature and the actual or outside room temperature. The arrow shaped buttons allow the user to increase or decrease the set temperature. The recessed button allows the user to toggle between F and C scales.

The on-board IR transceiver can be used to enable the e⁴ 529 to be controlled by various INNCOM guest control devices equipped with IDIR such as the Guestroom Digital Assistant and the IR3035 Table-top Controller.

The user may also elect to participate in the property's sustainability practices by touching the ecoMODE touch surface.

FEATURES

- Precision DDC temperature control
- Advanced energy management
- Customer programmable parameters
- Unlimited location options for optimal performance
- Low installation cost
- Wireless guestroom installation
- Aesthetically pleasing appearance
- Expandable
- Balcony Door monitoring
- Do-not-disturb and make-up room buttons
- ecoMODE green button
- Multi-point lamp control
- Minibar and safe monitoring
- Smoke detector monitoring
- Central control and monitoring of all the above

SPECIFICATIONS

- Dimensions: 4.7" W x 4.7" H x 1.2" D (119 mm x 119 mm x 30 mm)
- 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)
- Power In: Four AA Batteries
- Output: IDIR (INNCOM Diffuse-mode Infrared)

