

e⁴ SMART DIGITAL THERMOSTAT - E528GSH



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DESCRIPTION

The e⁴ Glass Series Smart Digital Thermostat Model E528GSH is a member of INNCOM's Integrated Room Automation System (IRAS). 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 packaged in an innovative capacitance switching form factor.

It can be expanded to include functionality such as humidity control, outside temperature display, minibar access reporting, occupancy reporting to housekeeping, automatic control of lights and the patent-pending ecoMODE™ functionality.

The E528GSH can be used in stand-alone applications or integrated with the IRAS using low voltage wiring (S5 bus).

APPLICATION

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.

As the key node in an Energy Management System (EMS), the E528GSH 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 is allowed to 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 the E528GSH is connected to INNCOM'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 set-back bands when the room is in hibernation during off-season periods.

The E528GSH can also control lamps equipped with the INNCOM L206 or L208 Lamp Control Modules through external IR transceivers or other devices connected to the S5 bus or equipped to receive wireless signals. 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.

OPERATION

The E528GSH is designed to be intuitive for guest use. The easy to read touch surface can be used to turn the unit to AUTO or turn it OFF. The FAN touch surface lets the user select among the available fan speeds. The DISPLAY touch surface lets the user toggle between the set temperature, actual room temperature or outside temperature. The arrow up and down touch surfaces allows the user to increase or decrease the set temperature. The user can also toggle between °C and °F.

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
- Low voltage
- Low installation costs
- Ideally suited for new construction and retrofit projects
- Innovative, aesthetically pleasing appearance
- Expandable
- Balcony door monitoring
- ecoMODE™
- Multi-point lamp control
- Minibar and safe monitoring
- Smoke detector monitoring
- Central control and monitoring of all the above

SPECIFICATIONS

- Model number: E528GSH
- Dimensions: 2.78" W x 4.625" H x 1.0" D (74 mm x 120 mm x 28 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: 12VDC
- UL listed
- FCC Part 15B Compliant

