

GLASS THERMOSTATS – GS-528B SERIES

DESCRIPTION

The International style glass thermostat GS-528B Series, are members of INNCOM's Integrated Room Automation System (IRAS). All models work with a Direct Digital Control (DDC) processor capable of controlling virtually any fan coil unit, heat pump or packaged terminal air conditioner found in guestrooms. All models include an easy to read illuminated liquid crystal display packaged in an innovative touch capacitance switching design.

The base model -- the GS-528B-- can be expanded to the GS-528BE to include the patent-pending ecoMODE® functionality; the GS-528BX to include Privacy and Make Up Room selection buttons; and the GS-528BXE to include both options.

The eco-friendly glass touch surface offers a blank canvas to the designer wishing to customize a look with colors, fonts, images and functionality.

The GS-528B Series thermostats 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, the thermostat receives inputs from an external 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 noticeable impact on guest comfort.

When the GS-528B Series is connected to INNCOM's centrally controlled system additional energy savings are achieved by using a broader setback band when the guestroom is unrented. It can also apply wider temperature set-back bands when the room is in hibernation during off-season periods.

The GS-528B Series can also control lamps equipped with the INNCOM L206 or L208 Lamp Control Modules through external RF or IR transceivers or other devices connected to the S5 bus. 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 GS-528B Series 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.

FEATURES

- Precision DDC temperature control
- Advanced energy management
- Designer-friendly customizable glass plate touch surface
- Customer programmable parameters
- Low voltage
- Low installation costs
- Ideally suited for new construction and retrofit projects
- Expandable
- Balcony door, minibar and safe monitoring
- Smoke detector monitoring
- ecoMODE®
- Privacy
- Make Up Room

SPECIFICATIONS

- Model numbers: GS-528B, GS-528BE, GS-528BX, GS-528BXE
- Dimensions: 86 mm x 86 mm x 28 mm (3.38" W x 3.38" H x 1.0" D)
- Operating Range: 5°C to 65°C (41°F to 149°F)
- Temperature: ± 0.5°C 15°C to 30°C (± 1°F 60°F to 85°F)
- Power In: 12VDC
- UL listed
- FCC Part 15B Compliant



GLASS THERMOSTAT GS-528B SERIES FEATURE OPTIONS



GS-528B

Basic model. Includes OFF/AUTO control button; DISPLAY button, which toggles between target temperature and actual room temperature; C/F button that changes display to read either Fahrenheit and Celsius; FAN on, and 3 speed control switch, and TEMP control arrows, to increase and decrease temperature.



GS-528BE

Upgraded model with the addition of the patent-pending ecoMODE[®] button. ecoMODE[®] allows your guests to choose to participate in your property's sustainability programs as well as providing energy saving programmable temperature setbacks when the guest is not present.



GS-528BX

Upgraded model with the addition of Privacy and Make Up Room buttons, to inform the staff of guest's needs. Guest choices can be displayed in door corridor plate or, in networked systems, on staff work stations.



GS-528BXE

Upgraded model with the addition of the Privacy and Make up Room buttons as well as ecoMODE[®].