

# INNCOM E527 THERMOSTAT

The e527 is an intuitive, low voltage controller for an INNCOM energy management system (EMS) that helps reduce guestroom HVAC energy costs without sacrificing guest comfort.

The INNCOM e527 EMS thermostat, when equipped with the optional passive infrared sensor (PIR), functions as a standalone energy management system. This enables it to control in-room temperatures based on guest occupancy, and saves you guestroom HVAC energy. The e527 can be integrated with a door sensor or electronic lock for advanced occupancy detection to save you even more. Humidity sensing can also be added for greater guest comfort.

For the most savings, network your hotel's property management system (PMS) with INNCOM's INNcontrol energy management supervisor software. You'll gain access to a variety of insightful dashboards with real-time data, notifications, analytics, reports, and more.



e527 low voltage EMS thermostat with flat PIR



Precision 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 INNcontrol EMS software



Lighting integration

Balcony Door Monitoring

Minibar & safe monitoring

Third-party integrations

# E527 EMS THERMOSTAT

## APPLICATIONS

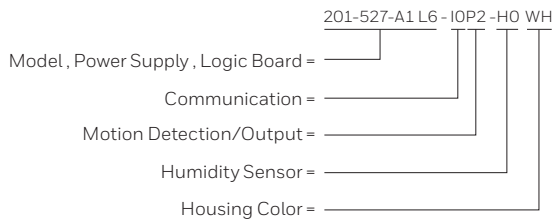
When used as an HVAC controller or thermostat in conjunction with an external control module, it will automatically adjust fan speeds and valves or compressor run time to achieve set temperature. The e527 can also be used with a Guestroom Keycard Controller to provide accurate temperature control in 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 INNcontrol EMS 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 off-season 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 other sensors.

### ORDERING GUIDE



CONFIGURATIONS	DESCRIPTION
5 Button, No PIR	PX
5 Button, PIR	P1
6 Button, No PIR	P0
6 Button, PIR	P2
No Humidity Sensor	OH
Humidity Sensor	1H
Color White	WH
Color Black	BK

Specifications	
<b>DIMENSIONS</b>	89 mm x 89 mm x 23 mm (.5 in x 3.5 in x 0.9 in)
<b>POWER REQUIREMENTS</b>	12VDC, 50mA
<b>MOUNTING</b>	Standard British Gang Size
<b>OPERATING RANGE</b>	41°F to 149°F (5°C to 65°C)
<b>TEMPERATURE</b>	± 1°F 60°F to 85°F (± 0.5°C 15°C to 30°C)
<b>STANDARD COLOR OPTIONS</b>	Black, white and almond
<b>THERMOSTAT MEASUREMENT RANGE</b>	33°F to 99°F (1°C to 37°C)
<b>OUTDOOR AIR TEMPERATURE DISPLAY</b>	0°F to 99°F (-18°C to 37°C)
<b>DISPLAY RESOLUTION</b>	Whole degree F, 0.5 degree C (0.1 degree F in test mode)
<b>STANDARD DEADBAND</b>	2°F (1°C) between heating and cooling
<b>C/F DEGREES DISPLAY</b>	Toggle Button on front of display
<b>AMBIENT OPERATING*</b>	41°F to 149°F (5°C to 65°C), 0-95% RH noncondensing
<b>AMBIENT STORAGE</b>	33°F to 149°F (1°C to 65°C)
<b>RF DATA RATE</b>	250kbps
<b>ANTENNA TYPE</b>	SMT
<b>INDOOR RANGE</b>	70ft
<b>TRANSMIT POWER</b>	1mW
<b>RECEIVE SENSITIVITY</b>	-94.6dBm
<b>RECOMMENDED WIRE</b>	26 gauge
<b>EXTERNAL HEADERS</b>	S5Bus, RS485, External Temp Sensor, ES1
<b>FREQUENCY BAND</b>	2.4GHz
<b>PROTOCOL</b>	802.15.4
<b>FREQUENCY CHANNELS</b>	11-26
<b>APPROVALS</b>	FCC, CE Mark

Part Number	Description
<b>PC502**</b>	Protocol Converter
<b>X47.L.P</b>	24VAC Relay Module
<b>S541.RF</b>	Wireless Door Switch / Transmitter
<b>04-1096</b>	Remote Thermistor
<b>201-503</b>	PC-503 Configuration Tool used with engINN
<b>203-250</b>	RS485 DM485 Communication Module

\*For indoor use only.

\*\*X47 is required for e527 to interface with HVAC system.

### Honeywell Hospitality

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