INNCOM E7W WIRELESS EMS THERMOSTAT

Efficiency, comfort, and wireless convenience

The e7w provides easy control for a guestroom energy management system (EMS), and can reduce in-room energy costs. Hotels can save 25–40% on guestroom HVAC energy usage with an INNCOM Networked EMS.*

The latest e-Series thermostat is now available in a battery-powered version. Combined with a PC502 Protocol Converter and an X47 Relay Module, the e7w delivers comfort, convenience, and energy savings in a quick-install wireless design. It can also integrate with an extensive range of INNCOM and third-party technologies, from door locks and lighting, to tablets, server-to-server integrations, and more.

When used in a networked EMS, the e7w also provides real-time data to INNCOM INNcontrol software about the room and its devices to help you proactively deliver a rewarding guest experience.

APPLICATIONS

Basic Thermostat. Temperature and humidity control.

Basic EMS. Optimizes in-room climate control using a passive infrared (PIR) motion sensor to detect occupancy.

Advanced EMS. Optimizes in-room climate control using both a PIR and a door sensor (or lock integration) for more precise occupancy detection, enabling greater energy savings.

Integrated Room Automation System (IRAS). Platform for hospitality IoT, such as controls for HVAC, lighting, drapery, amenities, and more.

Networked EMS. Optimizes in-room energy use by occupancy and room status. Centrally monitored and optimized using INNcontrol software.

* based on HVAC runtime reduction from a PMS-integrated EMS vs. ETM (traditional thermostat mode) in hotels with average occupancy and <500 rooms

Sleek, industrial design with a large easy-to-read keypad

Standalone or networked energy management

Compatible with most HVAC systems

Optional wireless door/window, indoor temperature, outside temperature, and humidity sensors

Wireless thermostat design installs quickly

On-board motion sensor

I/O maps for easy commissioning changes

Sends real-time data to INNcontrol (reporting, monitoring, energy control, & diagnostics)

Easily integrates with 3rd-party technologies like central electronic-lock systems (CELS)

Honeywell

INNCOM E7W WIRELESS EMS THERMOSTAT

Specifications	
MOUNTING	**Standard US Double Gang**
	Standard US Single Gang
	British Gang
	Flushmount (no back box)
DIMENSIONS	L 120mm x W 120mm x H 25mm
POWER REQUIREMENTS	**Input** 6V; 4 AA batteries (included)
	Output N/A
COLOR OPTIONS	Ice White & Black Onyx
DISPLAY RESOLUTION	High Twisted Nematic (HTN) LCD
STANDARD DEADBAND	2 degrees F (1 degree C) between heating and cooling
SENSOR MEASUREMENT RANGES	**Thermostat Temp:** 33 to 99 degrees F (+/- 1.8) ; 1 to 37 degrees C (+/- 1)
	Outdoor Air Temp*: 0 to 99 degrees F (+/- 1.8); -18 to 37 degrees C (+/- 1)
	Humidistat: ±2% RH between 20 to 60% RH, (±4% RH between 60 to 95% RH)
	Motion Sensor: 120° View Angle, 10M line of sight
	Light Sensor: Gamma Value 0.7, Spectral response 550 – 650nm
DIAGNOSTICS (NETWORKED)	HVAC alarms, equipment run-time, room occupancy, network connection, low battery
COMMUNICATIONS Zigbee RF	**Range:** 70 ft **Transmit Power:** For FCC, max. 5dbm, for CE Mark Max 5dbm **DMN Receive Sensitivity:** -94.6dBm **Frequency Band:** 2.4 Ghz **Protocol:** 802.15.4 **Frequency Channels:** 11-26
OPERATING ENVIRONMENT	41 to 104 degrees F (5 to 40 degrees C), 0-99% RH non-condensing
STORAGE ENVIRONMENT	33 to 149 degrees F (1 to 65 degrees C), 0-99% RH non-condensing
APPROVALS	**EN** EN 60730-1, EN60730-2-9 **UL (IEC)** UL 60730-1, 4th ed. References UL746C for impact requirements of poly-meric enclosures UL 60730-2-9, 3rd ed **CSA (IEC Based)** – Note 1 on stand-ards, Note 2 on aspects impacted by transition, CAN/CSA 60730-2-9, 4th ed CAN/CSA 60730-2-9, 3rd ed

Part Number	Description
201-528-6V-BK**	6V Wireless Thermostat, Black Onyx
201-528-6V-WH**	6V Wireless Thermostat, Ice White
201-528-24-BK	24VAC Thermostat, Black Onyx
201-528-24-WH	24VAC Thermostat, Ice White
201-528-100-BK	100-277VAC Thermostat, Black Onyx
201-528-100-WH	100-277VAC Thermostat, Ice White
PC502***	Protocol Converter
X47.L.P	24VAC Relay Module
X47.H.P	100-277VAC Relay Module
S541.RF	Wireless Door Switch / Transmitter
04-1096.FL	Remote Thermistor
201-503	PC-503 Configuration Tool used with engINN
203-250	RS485 DM485 Communication Module
62-1455	Thermostat 100-277VAC Harness
62-1464	Thermostat 24VAC Harness

* Requires outdoor sensor
**Thermostat purchase includes 4 AA batteries and smart wall plate.
***PC502 and X47 are required for e7w to interface with HVAC system.

TYPICAL PRODUCT APPLICATIONS

2 Pipe | 3 Fan | Heat/Cool FCU
4 Pipe | 3 Fan | Heat/Cool FCU
Heat Pump | 2 Fan | 2nd Stage Heat
Heat Pump | 3 Fan | Cool Only
PTAC | 2 Fan | Heat Strip
2 Stage Heat | 2 Stage Cool | 1 Fan
2 Stage Heat Pump (B/O, Y1, Y2) 2 Fan
3 Fan | Digital Heat | Modulating Cool (0-10VDC)
Heat | Cool | VFD (variable fan drive) | 0-10VDC

Each e7w Wireless EMS Thermostat requires a PC502 Protocol Converter and an X47 Relay Module.

For more product information, visit www.inncom.com/catalog

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