

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: 3 % RH, in range from 30-95 % RH +/- 5% |
| | 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 polymeric enclosures UL 60730-2-9, 3rd ed |
| | CSA (IEC Based) – Note 1 on standards, 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 |
| 32324212-001 | Thermostat Screw Kit Assembly |
| 62-1455 | Thermostat 100-277VAC Harness |
| 62-1464 | Thermostat 24VAC Harness |

* Requires outdoor sensor

**Thermostat purchase includes 4 AA batteries, screw kit assembly, and smart wall plate.

***PC502 and X47 are required for e7w to interface with HVAC system.

****For indoor use only.

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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