



Eco-Smart, Inc.

TOLL FREE: (888)329-2705 FAX: (941)377-9460 info@eco-smart.com

Intelligent In-Room Thermostat / Humidistat

Frequently Asked Questions

1 – How much energy will a Hotel save?

The average savings is about 40% on the PTAC energy consumption of your heating/air conditioning) HVAC system (Runtime) nationwide. Some cases the reduction is over 50%.

2 – We want the guest to have a comfortable temperature upon entering the room.

All thermostats are fully configured to save energy. We rely on intelligence recovery where the owner/manager can configure what they consider to be a comfortable temperature (recovery temperature) for the guest. The owner/manager will set the comfortable temperature of the room and also set the recovery time. (Time needed for the PTAC to reach the comfortable temperature)

3 – Can you configure the thermostat to run the fan when the thermostat is on, even though there is no request to heat or cool?

No. But the thermostat can maintain the desirable temperature of the room based on the recovery time. The humidity feature maintains humidity below 60% based on the managers previous configuration.

4 – Which Hotels have the system installed?

The system is installed in MOTEL 6, Holiday Inn, Ramada Inn, Quality Inn, Novotel and others. A case study supervised by Johnson Control confirming the system efficiency and accuracy of reporting is available.

5 – I don't want to hear noise when the compressor turns on. How is the sound level?

Our system does not relate to the compressor's level of noise. This will depend on the PTAC unit. The thermostat can control the fan to run slowly which can reduce noise.

6 – Do we need to use the Hotel Wi-Fi system?

No. Required is a cable to the internet connection with uninterrupted access. The server will use a minimum of band width. If for some reason the Hotel internet server is down, the thermostat will work as a basic thermostat.

7 – How is the product installed? How long does it takes?

You just need 3 screw anchors. There is no wall intrusion because the system is wireless. In case of replacement of an old thermostat you can use the existing wires (the wires must be compatible). The average installation time per room is 15 minutes

8 – How does the Energy Management System affect the HVAC system?

eNviro iQ thermostat reduces runtime of the HVAC unit, thus extending the lifetime of HVAC units.



9 – Is the eNviro IQ thermostat compatible with all HVAC systems?

eNviro iQ thermostat is compatible with any hospitality HVAC system that allows an external thermostat mode (Class 2)

10 – What is the ROI for eNviro IQ system?

ROI for eNviro iQ system is between 6-18 months, depending on the cost of energy in the area.

11 – Does the system qualify for green rebates?

Green rebates may be available from your utility company, please check with your utility company if any rebates are available.

12 – How is the system managed?

The system can be managed via a web-based remote management application. Access to the remote management application is available from any computer with internet access. Property Managers can also designate any number of users with management access for the property.

13 – How often must we change the batteries on the Wireless system?

Under normal operating conditions, brand-name batteries in eNviro iQ thermostats will last at least 18 months. A low battery notification will be generated when batteries need to be changed.

14 – Is there any hardwire system? Can the thermostat be wired? Can it work without batteries?

Yes.

15 – Can the system control the humidity of the rooms?

Yes, an automatic humidity control feature is available on select eNviro iQ models. They automatically maintains humidity in the room below 60%

16 – What are the benefits of controlling the room humidity?

Automatic humidity control prevents destructive condensation, mold and unpleasant smells associated with it.

17 – Which reports can be generated by the web interface?

eNviro iQ system constantly monitor HVAC usage, room temperature, room humidity, occupancy, temperature set points and HVAC unit efficiency. The remote management application allows the property manager to create average HVAC usage reports and performance evaluation of the EMS system by creating an Energy Savings Report.

18 – What if the room is divided (suites)?

eNviro iQ thermostat's built-in occupancy state machine will differentiate between different kinds of room occupancy. A comprehensive set of occupancy detection settings allow leveraging eNviro iQ occupancy detection abilities to accommodate suite room configuration with no added cost.