

Advanced HVAC Control and Energy Management System (EMS)

Highlights of the HXS-01 Controller and HIR-05 Sensor include

- Hardwired Sensors ideal for New Construction
- Fail-Safe Operation
- Entry Door Control
- Deep Setback Function (DSB)
- Table Setback Temperature Feature (TST)
- Switching Power Supply (up to 28VAC input)
- Independent Lighting Control
- EEPROM IC with “Memory Chip”
- Expandable for multiple sensor applications
- Simple Humidity Control
- Balcony/Lanai/Window or Door Control
- Deep Setback II Function (DSB II)
- Climate Logic
- Easy Jumper Settings Selection
- Compatible with HIR-05 hardwired motion sensor
- 2 Year Limited Warranty

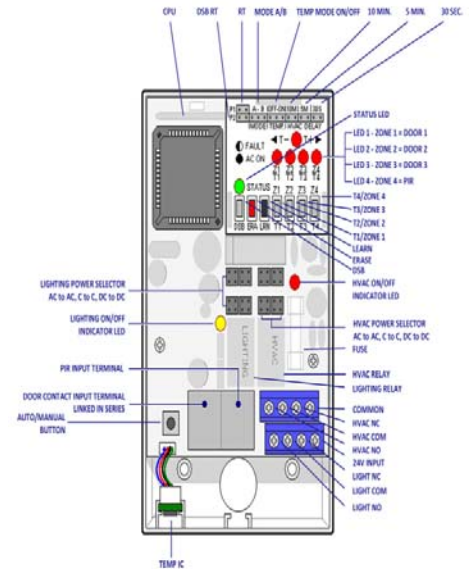


Product Description

The Energy Eye® EE-HXS Series of HVAC Controller utilizes the latest V1.5 family of field proven software architecture. This autonomous HVAC and Lighting Controller is small in footprint and feature rich with settings and adjustments in order to offer the most flexible, efficient and economic solution for Hardwired Energy Management. Designed for New Construction applications, this system allows the flexibility of being compatible with nearly any building management system on the market. The EE-HXS gives the freedom of *choice* for owner, developer or architect and the *efficiency* of proven, reliable occupancy and temperature setback sensing, well within budget.

By using a combination of Door Sensors, Window Sensors, Passive Infrared (PIR) Motion Detectors and Intelligent Logic Controllers the Energy Eye® hardwired line can significantly improve HVAC and Lighting/Plug Load/Television efficiency. Temperature setback programs reduce HVAC work duty during un-occupied periods. HVAC duty cycle reduction of up to 50% is possible with total project savings in the 15% to 35% range being common. Additionally, lighting and/or plug loads can be controlled through an independent circuit, which is not affected by balcony door or temperature setback operation. By controlling lighting branches, significant additional energy savings can be achieved.

Unlike other hard wired energy management systems it is possible to distinguish up to four individual sensor zones so varying reactions from window openings may be programmed. The system requires virtually no maintenance as sensors are powered through the controller.



Product Specifications

EE-HXS	
Voltage Input Range	13~24VDC or 9~28VAC (DC Selectable)
Contact Output	Input Voltage -1.4V (AC/DC)
HVAC Contact Ratings	DPDT Type 1A @ 125VAC, 2A @ 30VDC, MAX 2A SWITCHING CURRENT EACH
Lighting Contact Ratings	DPDT Type 1A @ 125VAC, 2A @ 30VDC, MAX 2A SWITCHING CURRENT EACH
Thermostat Range	-4°~185° Fahrenheit
Setback Limits	55°~86° Fahrenheit
Deep Setback Limits (DSB)	50°~90° Fahrenheit
Dimensions (L x W x D)	4 5/8" x 2 3/4" x 1 1/2"

Energy Eye, Inc.
13367 Kirkham Way, Suite 110
Poway, CA 92064 USA

Tel: 01 858 391 9085
Fax: 01 858 391 9087
eMail: info@energy-eye.com
Web: www.energy-eye.com

United States Patent(s) Pending, Information Accurate at time of Publishing
Details or Specifications subject to change without notice

