



## Intuitious Home Energy Controller

## ECC-HS

### The NEW Alternative to Programmable Thermostats

The Intuitious Home Energy Controller (ECC-HS) is an advanced energy saving device that will substantially reduce heating and air conditioning fuel consumption, thus reducing energy costs and prolonging the life of the heating and air conditioning equipment in the home. Unlike programmable thermostats that must be programmed in advance and adjusted around the household schedule, the Intuitious Home Energy Controller connects to the security panel to determine whether the residents are home, away or sleeping. This automated method for determining occupancy seizes every opportunity to save energy, whether a vacancy is planned or not.

The Intuitious Home Energy Controller is the perfect solution for busy families with unpredictable occupancy and for anyone who is tired of programming their schedule into a thermostat. The Intuitious controller is connected to the security system so that it knows when the residents are home. The controller is also connected to the furnace and air conditioner so that it can override the thermostat and save energy during vacancies and at night when the residents are sleeping. The controller has an on-board computer that uses advanced logic, timers and a temperature sensor to optimize energy saving opportunities without adversely affecting comfort.



## Applications

The Intuitious ECC-HS Home Energy Controller interfaces between the home security panel and the home HVAC system to override the thermostat.

### HVAC System Compatibility

The controller is compatible with single stage gas, oil or electric furnaces and air conditioners with 24Vac control systems. The ECC-HS is not compatible with Heat Pumps or line voltage control systems.

### Security System Compatibility

The Intuitious controller is compatible with 12Vdc security panels that provide auxiliary power and one or two switched negative 12V programmable outputs (PGM's).

Intuitious also manufactures wireless energy conservation products. The "Wireless" family of products are best suited for retrofit installation in multi-unit residential properties, hotels and any application where running control wires from the sensors to the controller would prove challenging.

### Other Products in the Intuitious Wired Family

ECSC-OLTC	HVAC & Lighting Controller
ECSC-OC	Lighting Controller
ECS-O	Remote Occupancy Sensor
ECA-RT	Relay Transformer
ECA-IKEY	Installer Key

## Specifications

Patent Pending

Operating Voltage	10 – 15Vdc
Supply Current	42mA @ 12Vdc
Microprocessor speed	1Mhz
Onboard memory	8KB Flash (non-volatile)
Relays	(2) – Heating, Cooling
Relay contacts	2A @ 30Vdc, SPST-NO Form A
Programmed logic 1	Occupancy/Temp heating setback
Programmed logic 2	Occupancy/Temp cooling setback
Programmed logic 3	Daytime setback (opt. 6-8 hr timer)
Programmed logic 4	Night setback (opt. 6-8 hr timer)
Programmed logic 5	Long term setback (18 hrs)
Programmed logic 6	Restart delays (3 min. heat/cool)
Temperature sensing	Thermistor +/- 2F
Security inputs	(2) Standard PGM negative trigger
Mounting location	HVAC return air duct
Operating temperature	-20C ~ 50C (4F ~ 122F)
Dimensions	3.5"x4.1"x0.8" (89x105x21mm)

