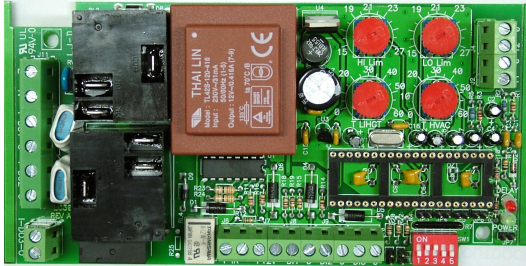




EC-300



EC Controller



Occupancy Sensor

230VAC, Energy Controller for energy saving in offices or hotel rooms. Turns off/on HVAC + lighting systems per presence in a room via an Occupancy Sensor and optional Contact Inputs

General

The EC-300 is a smart Energy Controller which offers substantial energy saving of Air Conditioning & lighting operation in hotel bedrooms, offices or conference rooms.

Since hotel bedrooms have different needs from offices regarding occupancy changes, the EC-300 allows different configurations for them. In both applications, presence detection is achieved via an Infra Red Occupancy sensor; if the IR sensor detects no presence within a certain, configurable time, the EC will cut off electricity to HVAC & Lighting systems. Upon detection, EC will automatically re-operate the systems. In addition, HVAC system will stop working if someone opens the window.

For Hotels, additional Contact Input, a door switch, or other Normally Closed input is employed.

The EC-300 also allows a 'Special Event' option, which disables EC-300 operation.

Features

- Power supply - 230VAC, 10A for HVAC operation
- Detects presence based on an IR Occupancy sensor + Contact Inputs on door entry or window
- DIP switch selectable options:
 - ✧ Hotel or Office configuration (Door switch active or not for logic)
 - ✧ With or without compressor delay
 - ✧ With or without temperature limits
 - ✧ Window Switch config. (N/O or N/C)
- Maximum energy saving
- Easy, quick installation at voltage line, between an existing HVAC & lighting system and Power Supply
- EC installation requires no modification in the existing room devices
- No decline in convenience to user
- Controller supplies 12VDC voltage to IR detector
- EC controller set contains the controller + IR sensor



Electrical Diagram

