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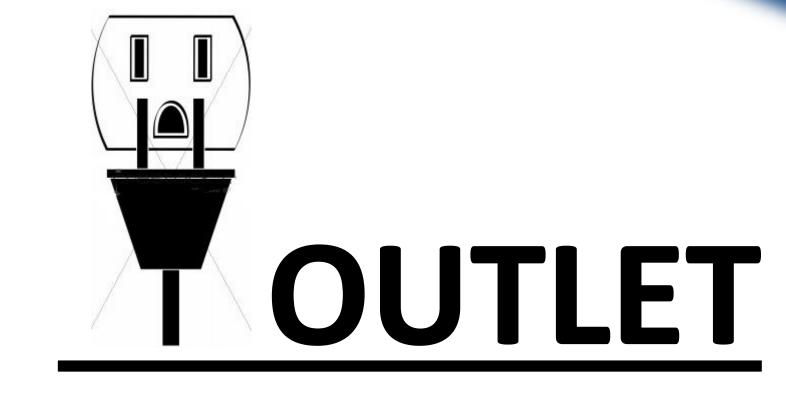
- Monitors temperature.
- Equalizes room to room temperatures.
- Stepper motors control dampers.
- Variable PWM fans to move air as needed.



- Room occupancy detector tracks persons in room.
- Provides occupancy data.
- Controls room lighting.
- Visual infrared motion sensors and laser trip wire for accuracy.



- Smart Home is controlled by PC or Smartphone via the web.
- Persistent server
   communicates between
   each home system and
   provides webpage.
- 802.11 wireless
   communication between
   outlet box and server for
   portability.



- Switch power on/off for each socket.
- Each socket provides real time power statistics.
- Relay controlled sockets.
- Hall effect senses power.



- Automated sprinkler system.
- Daylight and moisture monitoring provide sprinkler cycles.
- Soil conductivity sensors measure moisture.
- Photo resistors measure light.