
Cooperative Controls

Communicating Sensor Module

Wireless Sensor

Power Control for PTAC...Lighting...Fan-coil HVAC
with guaranteed comfort and savings

CSM-4T22

Specification
Sheet









General Description

The CAM-42T1 is an advanced, next generation power controller for PTAC air conditioning systems, fan coil HVAC and Lighting systems. The CAM-42T1 switches power based upon wireless signals from occupancy sensor, the CAM-42T2. The unit is wireless and battery powered to enable easy and low cost installation everywhere.

The CAM-42T2 uses a wireless radio network to communicate with Actuators, the CAM-42T1. Using these people sensors, the system can determine when a space is occupied or not and automatically responds to the presence and absence. When people are present the computer system maintains comfort and ventilation. When vacant the system automatically reduces the energy consumption on the HVAC system. Upon return of occupants, the system returns the HVAC system to your comfort settings.

Standard COOP CAM-42T2 Features

-  Battery Operated > 5 years operation
-  Superior RFI and EMI immunity
-  FCC approved non-licensed use
-  Wireless Link per IEEE 802.15.4 open standard
-  2.4 GHz. 0.25 M baud data rate internal encoded
-  Consumes less than 90 uW of power.

Specifications

| Parameter | Limits | Units | Comments |
|------------------------|-------------------------|----------|---------------------------|
| Operational Voltages | 3.2-2.2 | VDC | All +/- 10% |
| Input Current | 30 | MicroAmp | <i>Avg.</i> |
| | 100 | MilliAmp | <i>Peak</i> |
| Range | 30 | Feet | |
| Speed | .3 -3 | Feet/S | <i>Normal human rates</i> |
| Operational Range | 35 - 99 | F | |
| Temperature Resolution | 1/8 | F | |
| Environmental sensing | Temperature Humidity | | Optional Remote Sensing |
| Day/Night Sensing | - | - | Day and Night Comfort |
| Dimensions | 4 x 4 x 2.75 | Inches | L x W x Profile |
| OEM module | 1 x 1.5 x 0.75 | Inches | Several aesthetic shapes |
| Certifications | FCC, RSSI | - | US, Canadian, Mexico |
| Power Source | 2 | AA | Standard battery form |