ENERNET
CORPORATION

# Wireless Fan Coil Energy Management System


## Easy Installation

Compatible with virtually any HVAC equipment, the T9000 wireless energy management system installs in minutes without the installation difficulties and expense of wiring.

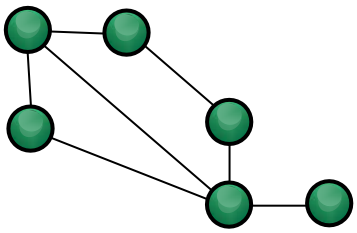
## Energy Conservation & Comfort

Occupants often struggle to find and maintain a comfortable room temperature. Moving thermostat control away from the equipment and into the living space where it belongs improves comfort and saves energy. Studies have shown that precision temperature control alone yields 10% or more in energy savings, a unique circumstance where both greater comfort and savings are expected.

Deep, sustained temperature setback saves even more. Each degree of setback generates approximately 3% in energy savings. A 10 degree temperature setback saves 30%.

## Wireless Network Solutions

Just by installing T9000 wireless thermostats you get a wireless network for your entire building!



Embedded in the T9000 system is a mesh network protocol called ENERNETWORKS™ and it makes life really easy. How easy?

You do absolutely nothing, that's how easy. No routers, no data concentrators, no network management hardware and no network management learning curve either.

## Features

- Simple to understand.
- Styling for home or office.
- Easy pushbutton adjustments.
- Display back light button.
- Degree ºF or ºC selection button.
- Accommodates energy management inputs such as occupancy sensors and switches.
- Battery powered, no control wiring needed.
- Adjustable maximum heating and minimum cooling set point limits.
- Multiple fan coil unit control from a single thermostat.
- Remote HVAC control capable.
- Super simple installation.
- Utility Demand Response capable.
- Interface to any Building Automation System.

T9000 wireless thermostat and fan coil Energy Management System = comfort and energy conservation.

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## SPECIFICATIONS

**Thermostat:**
High impact polycarbonate & ABS blend. Two-piece vented housing. Screw-mount back plate, snap on cover. 5" x 5" x 1"

**Setpoint Range:** 50°F to 99°F (10°C to 37.2°C)

**Temperature:**
- Accuracy, ± 0.5°F
- Display Resolution, 1°F

**Ambient Ratings:**
Temperature
- Operating Range: 0°C to 45°C
- Humidity Range 5 to 95% rh, non-condensing

**Supply Voltages:**
- Thermostat: 2 or 4 AA batteries
- RCN: 24vac Class II
  Use UL Listed control transformer — quiescent RCN circuit board requirements 0.6VA typical.

**Remote Control Node (RCN):**
PCB 4.75" x 3.0" x 0.80" Screw-mount #6 screws

**RCN Connection:**
Low-voltage pull-off screw terminals

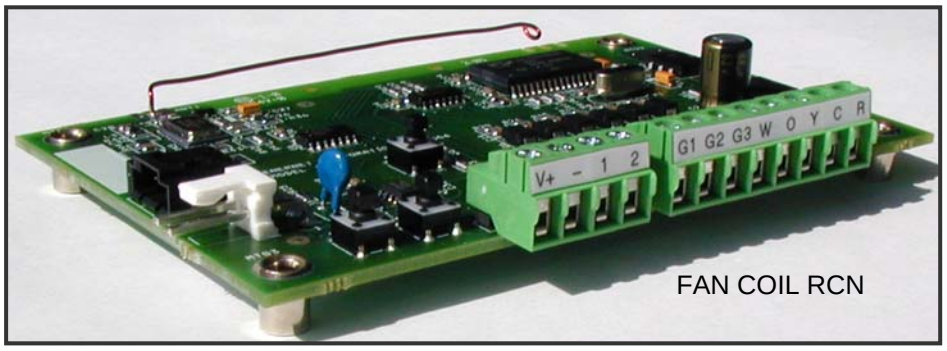
**RCN Output:**
Pilot duty solid-state relay outputs @ 0.3A max.

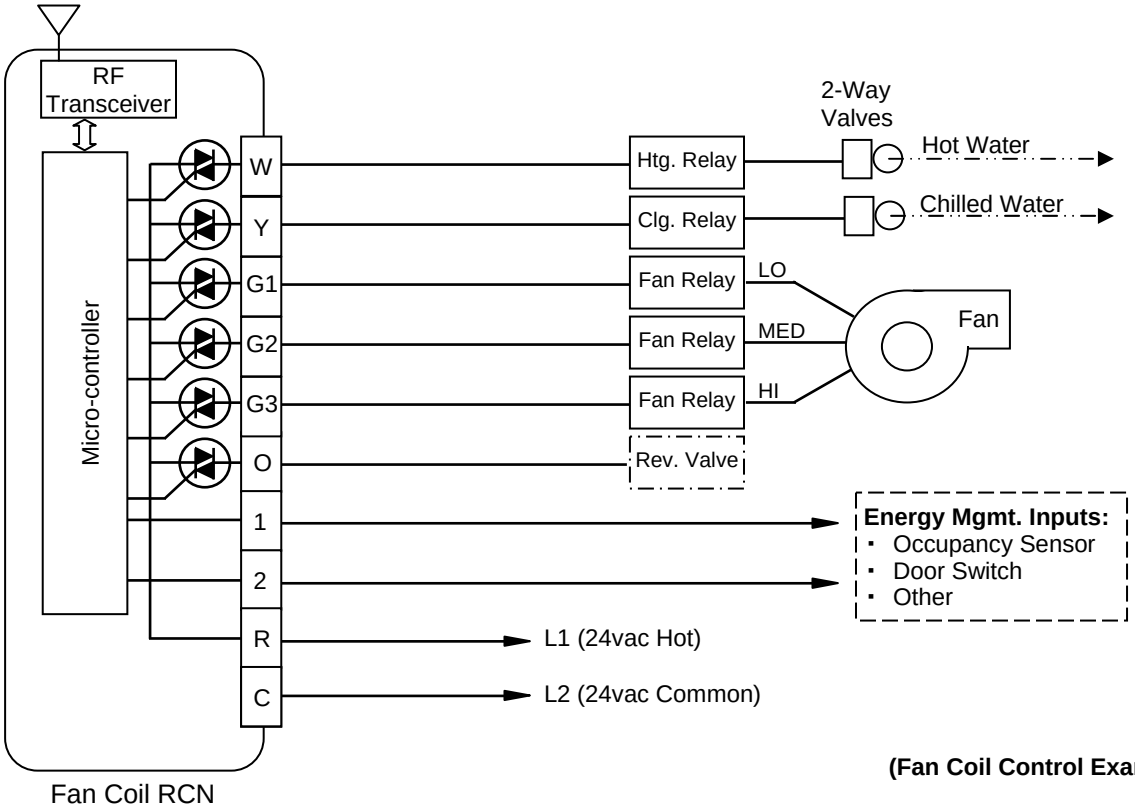
**Energy Management Inputs:**
(2) Dry form-A contacts with 3vdc pull-up

**Control Methodology:**
On/Off - control typically ≤1.5°F at 50% duty cycle

**Communication:**
- 916.5 MHz Amplitude Shift Keyed
- Packet Protocol ANSI 709.1-1999

**Mesh Network:**
ENERNETWORKS™ proprietary protocol




**(Fan Coil Control Example)**