RAC10 Small SpaceCooling®

Effective room airflow control and monitoring solution for servers, network switches and phone systems in small spaces.

Installation Precaution Guidelines

Read and save these installation instructions.

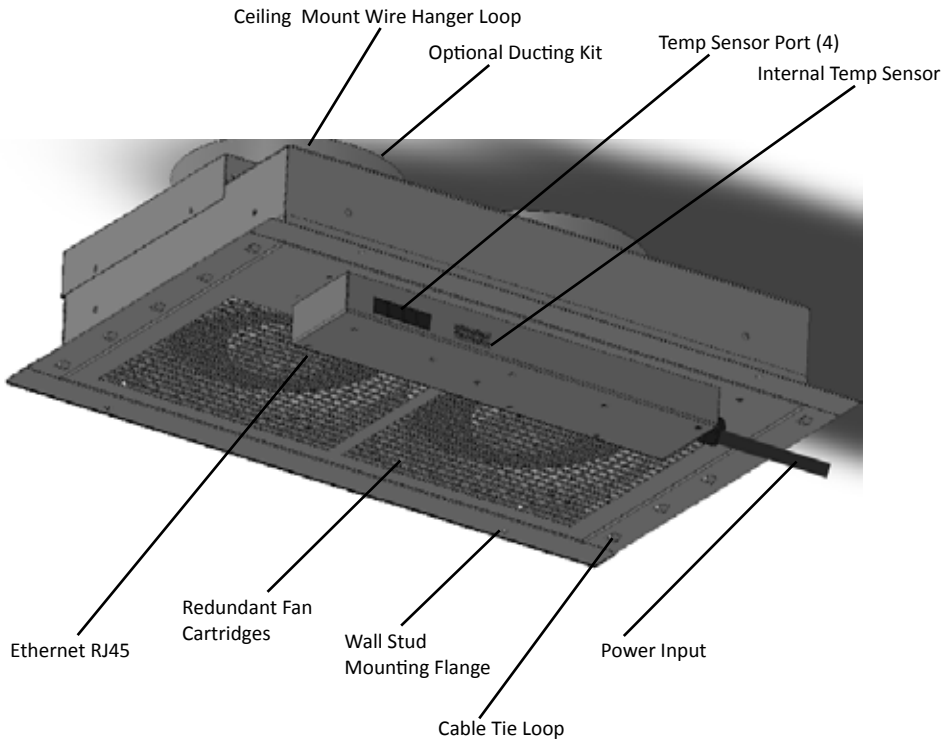
- Install the equipment such that the amount of airflow required for safe operation of equipment is not restricted.
- The equipment relies on the building installation for over current protection. A listed 20 amp circuit breaker is required in the building installation.
- Model RAC10 is equipped with a grounded pin plug, reliable earth ground should be maintained.
- Install the equipment so the input plug or appliance coupler may be disconnected for service.
- Caution: Disconnect all power before performing any type of maintenance such as cleaning and dusting.
- Contact Customer Service for any service issue at 1-877-902-2979.

Thank You for Choosing RAC10.

- Continually deliver cool air to your IT equipment.
- Real-time plus historical cooling capacity and environment monitoring.
- Early alarm notification to email account/s through a secure Ethernet connection.
- Allow multiple email or SNMP trap recipients with escalation.
- Quickly deploy into ceiling or attach to wall in minutes. Web browse to device, set-up email and/or communicate with existing management software.

System Components

Wall or ceiling mount for automated heat exhaust and critical monitoring / alerts.
Optional SC System for room air supply required for some room and load conditions.



Specifications
Input: 120 VAC, 50/60 Hz, 10FT Cord, NEMA 5-15P
Fan Speed Regulation: Automatic temperature control with Ethernet remote adjustment
Airflow: 1100 CFM Maximum
Environmental Monitoring: Ethernet remote access and alarms, up to four RJ12 Temperature sensors with 20 FT cords (two included)
Regulation: Temperature based, range: 60 to 120F
Physical: 23.75 L x 14.00 W x 3.52 H
Network: HTTP / HTTPS / SNMP / DHCP
Regulatory: UL, cUL 507, FCC Part 15 Class A
Warranty 2 Years

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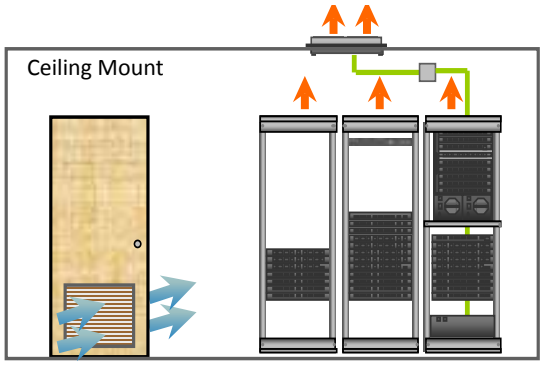
RAC10 Small SpaceCooling®

Installation Procedures

The RAC10 relies on the building installation for protection from overcurrent. A Listed circuit breaker is required in the building installation. The circuit breaker should be rated at 15 or 20 Amps. Install the RAC10 so the input plug may be disconnected for service.

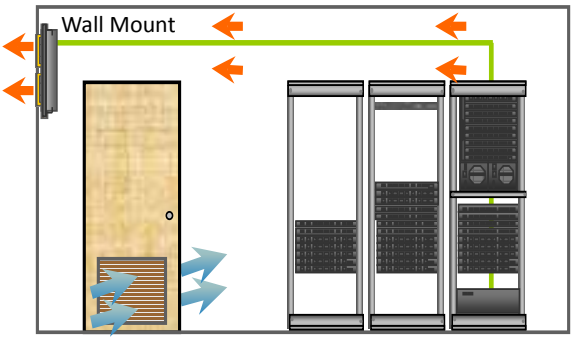
Wall Mount

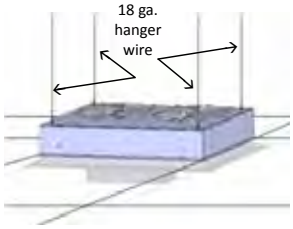
The dimensions of the RAC10 fan enclosure is 14 1/4" x 21 1/4". The RAC10 fits between the standard 16" center studs. Mounting as close the ceiling will maximize the heat exhausted. Use 2", #10 wood screws to attach the unit to the wood studs. A power receptacle is required within close proximity to the RAC10.



Ceiling Mount

To install the RAC10 in a drop ceiling, 18 gauge hanger wire must be used to support the unit. Attach the hanger wires to the four eyelets on the backside of the RAC10. Place the RAC10 across the ceiling grid using the hanger wire to support the weight. Plug the RAC10 into the power receptacle which is required to be out of the ceiling plenum. Option Duct Kit can be ordered if required.





Thermal Control & Monitoring Software

1. With RAC10 unit installed and temperature sensors located at air entry to space and IT equipment air intake vent, connect to AC power using attached 10FT cord.
2. During start-up the RAC10 system will perform a self check.
3. Access the web interface using the supplied default web address.
4. Adjust factory default settings as desired. Refer to the User Manual for details.

System Start-up

Why adjust to hot spots when you can normalize your entire IT Space?

The RAC10 system evacuates heat load from the small space and sends it to the outside corridor or ceiling plenum return. Maintain a perfectly controlled environment for your small computer and network rooms using building air while providing the needed visibility to cooling capacity and environment information and alarms. Email alerts and the web interface provides remote alarms and management for superior visibility and control of the room environment.

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