Pharos
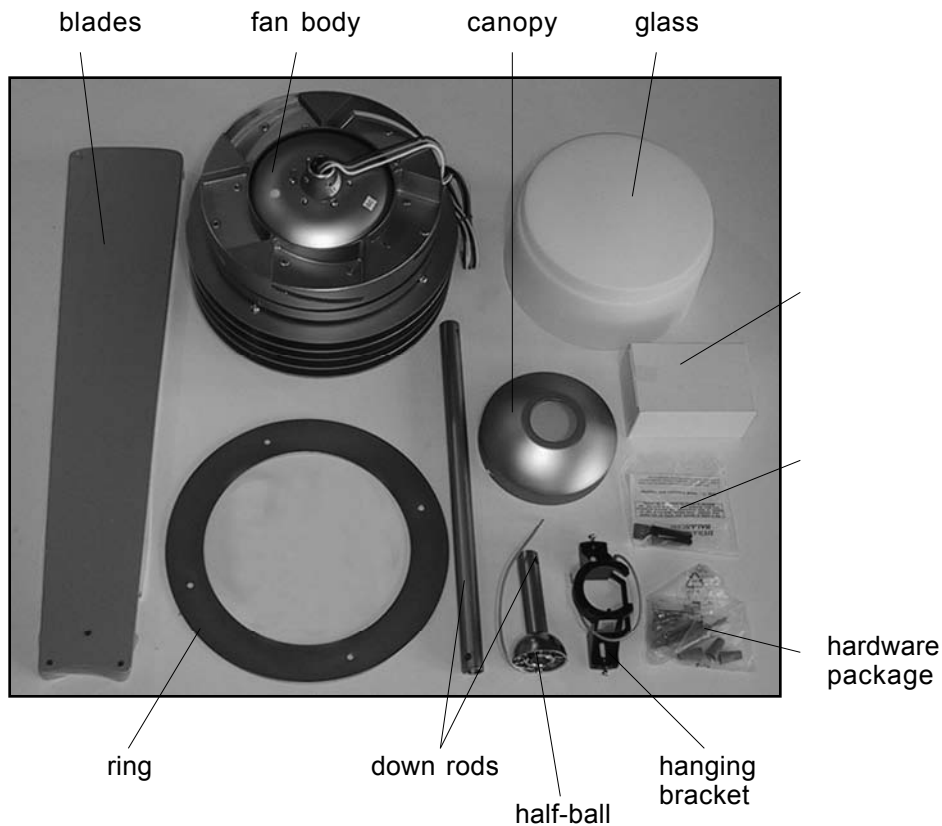
Pharos Fan- Installation instructions

Should you have any questions or difficulty installing your new fan, please contact Modern Fan Co. customer service immediately.

Note: Power supply must be turned off prior to any contact with electrical wires. It is recommended that a licensed electrician be hired to install your ceiling fan.

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(1) Remove and identify contents of carton.

blades   fan body   canopy   glass

hardware package

ring   down rods   hanging bracket

half-ball

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(2) Using machine screws from hardware package or existing screws in junction box, securely attach hanging bracket to ceiling junction box.
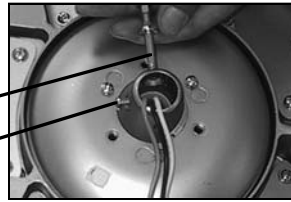

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(3) Insert one blade into rotor slot. Using blade screws from hardware package, secure blade to blade rotor. Start all three screws before completely tightening. Repeat for all blades.
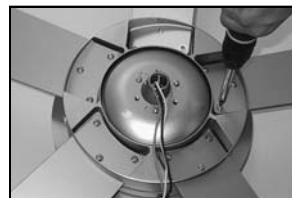
(4) Remove the stopper screw and loosen the set screw on the fan collar. Set the stopper screw aside for step (6).

stopper
screw
set screw

(5) Remove stopper pin and half ball from small down rod by loosening set screw on half ball. Set all parts aside for steps (6) and (8).
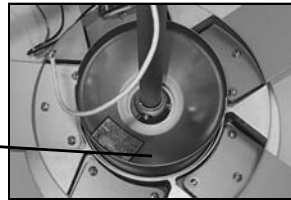
set screw

stopper pin

(6) Run fan wires through selected down rod. Reinstall stopper screw from step (4) and firmly tighten set screw on fan collar against down rod.

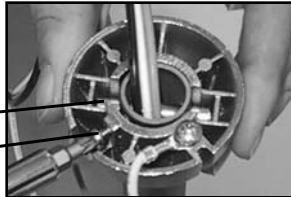Note: If ceiling height allows, using a longer down rod will increase airflow and efficiency.

(7) Slide fan canopy over down rod and carefully rest on top of fan body.

canopy

(8) Reinstall half ball on end of down rod. Be sure that stopper pin is inserted through down rod and seated in half ball. Tighten set screw against down rod.

stopper pin

set screw

(9) Lift fan to ceiling and set half ball in the hanging bracket so that the ridge on the edge of the hanging bracket is seated in the slotted channel in the half ball.

channel and ridge

With fan safely suspended by bracket, make wire connections with wire nuts included in hardware package as described in the control installation instructions. If using the optional #003,#004 or #005 control, the receiving unit should be placed inside the arms of the hanging bracket and connected at this time.

(10) Remove set screws on the sides of the hanging bracket. Lift canopy to ceiling. With holes in side of canopy aligned with set screw holes on hanging bracket, reinstall set screws to hold canopy in place.

set screw
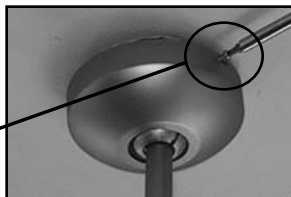
(11) Position glass inside ring. Align holes in ring with threaded standoffs on fan body and lift assembly upward.
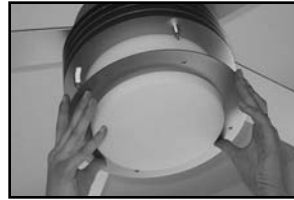
(12) Use glass ring fasteners to secure ring and glass to fan body.

(13) Install control as described in the control installation instructions.

(14) Your fan is reversible for summer and winter operation. The reverse switch is located on the under (or inside) the glass diffuser, on the switch housing above the LED. The LEFT position is for summer and the RIGHT position is for winter.

reverse switch
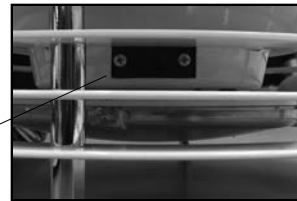
(15) The rotor and motor of your fan have been dynamically balanced at the factory. In addition, the blades have been matched to the nearest gram to ensure a well balanced ceiling fan. Furthermore, a blade balancing kit has been included with your fan. Please refer to the instructions packaged with the balancing kit should your fan require additional balancing.

Modern Fan Controls (AC fans w/ LED)

Our ceiling fans do not use conventional pull chains. When ordering your fan, you should have selected the control that was most appropriate for your fan and electrical requirements. Continuous, variable speed controls or rheostats are not compatible with our fans, are likely to cause motor noise and will void your ceiling fan warranty.

Controls intended for use with one fan (except #009A/009B as noted).

Control options are as follows:

#001- *Fan Speed Control*

A basic fan control used to operate a fan only, providing four speeds. Can be used in combination with a separate light switch or dimmer in a double-gang wall box to control a fan with light.
   Not compatible with remote control

#002/002ND- *Three Wire Fan Speed & Light Control*

For operation of a fan with light. Requires two circuits (three wires). #002 provides four speeds and full range dimming; #002ND (for fluorescent lights) provides three speeds and on/off switching of light.
   Not compatible with remote control

#003- *Handheld Remote Control*

Designed for independent operation of a fan and light using only one circuit (two wires). Provides three speeds and full range dimming or "on/off" switching and comes with a wall hanging bracket.

#004- *Two Wire Fan Speed & Light Control*

Designed for independent operation of a fan and light using only one circuit (two wires). Provides three speeds and full range dimming or "on/off" switching and wires into wall box.

#005- *Two Wire Wall Control with Remote Handset*

A combination control package including our #004 Fan & Light Control and our #003 Remote Control handset. Provides three speeds and full range dimming or "on/off" switching from wall control and compatible remote handset.
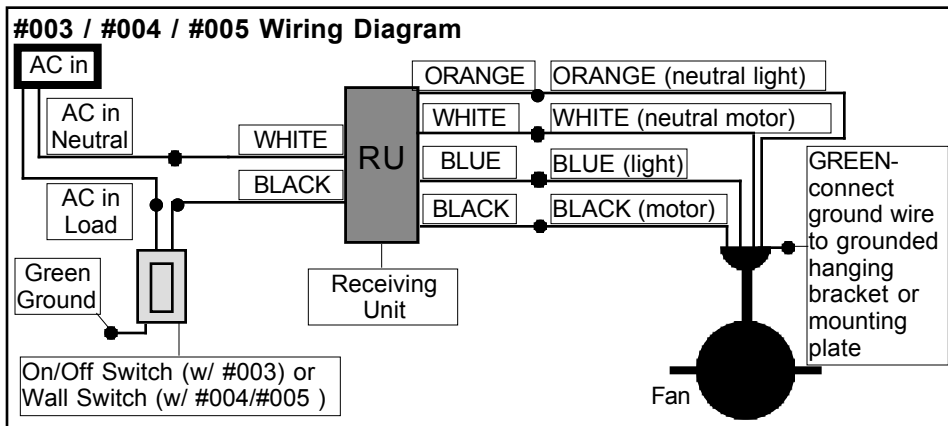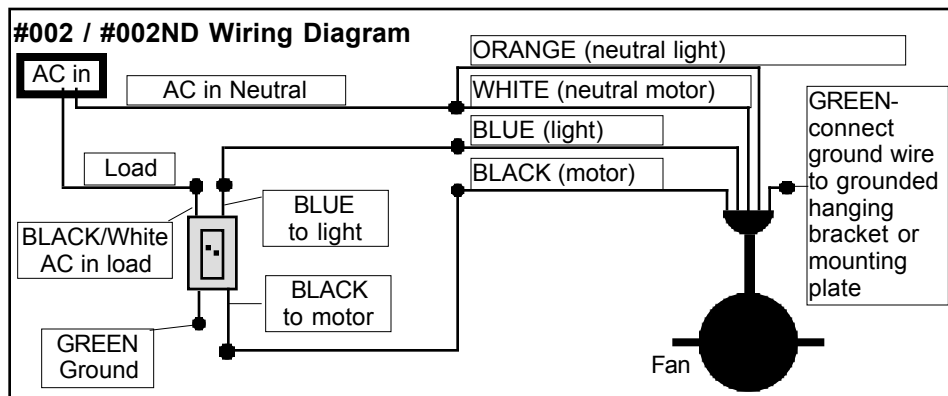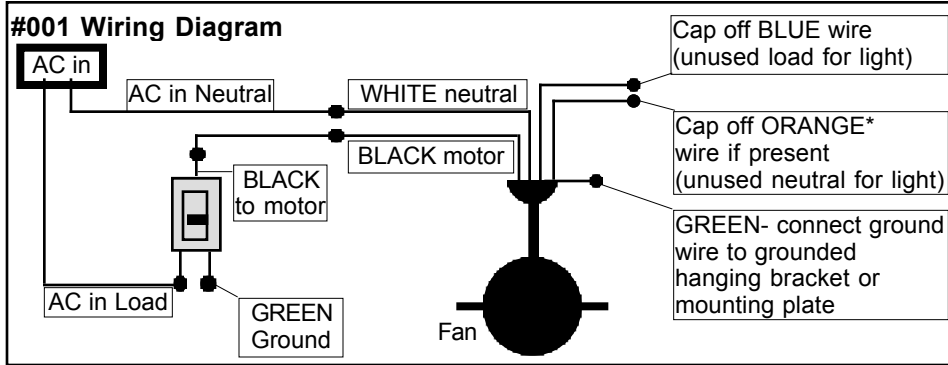
#009A/009B- *Multi-Fan Speed Controls*

A three speed fan control designed to control two fans (#009A) or three to five fans (#009B) on a single circuit. Separate control/switching of lights must be planned for if this control is to be used for fans with lights.
   Not compatible with remote control

Installation Instructions: With power turned off at breaker, make wire connections from the fan to the power supply at the ceiling and from the control to power at wall box as shown in the wiring diagrams below.

Note: *For #009A or #009B, refer to printed instructions included in control box/packaging.*

#001 Wiring Diagram

AC in

AC in Neutral — WHITE neutral

BLACK motor

BLACK to motor

AC in Load

GREEN Ground

Fan

Cap off BLUE wire (unused load for light)

Cap off ORANGE* wire if present (unused neutral for light)

GREEN- connect ground wire to grounded hanging bracket or mounting plate

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#002 / #002ND Wiring Diagram

AC in

AC in Neutral

ORANGE (neutral light)

WHITE (neutral motor)

BLUE (light)

BLACK (motor)

Load

BLUE to light

BLACK/White AC in load

BLACK to motor

GREEN Ground

Fan

GREEN- connect ground wire to grounded hanging bracket or mounting plate

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#003 / #004 / #005 Wiring Diagram

AC in

AC in Neutral

WHITE

BLACK

AC in Load

Green Ground

RU

Receiving Unit

On/Off Switch (w/ #003) or Wall Switch (w/ #004/#005)

ORANGE — ORANGE (neutral light)

WHITE — WHITE (neutral motor)

BLUE — BLUE (light)

BLACK — BLACK (motor)

Fan

GREEN- connect ground wire to grounded hanging bracket or mounting plate

### #003, #004 and #005 Receiving Unit Wiring Instructions:

With fan suspended from ceiling and with power off at breaker box, make wire connections as shown below. The receiving unit sits in the ball hanging bracket of most models as pictured (a), or in the upper portion of the fan body in Hugger fans, Stratos, Eclipse and Pensi models (b) and (c).

ORANGE	To Orange (light neutral)
WHITE	To White (motor neutral)
BLACK	To Black (motor load)
BLUE	To Blue (light neutral)

Antenna

WHITE	to A/C Power In (Neutral)
BLACK	to A/C Power In (Load)
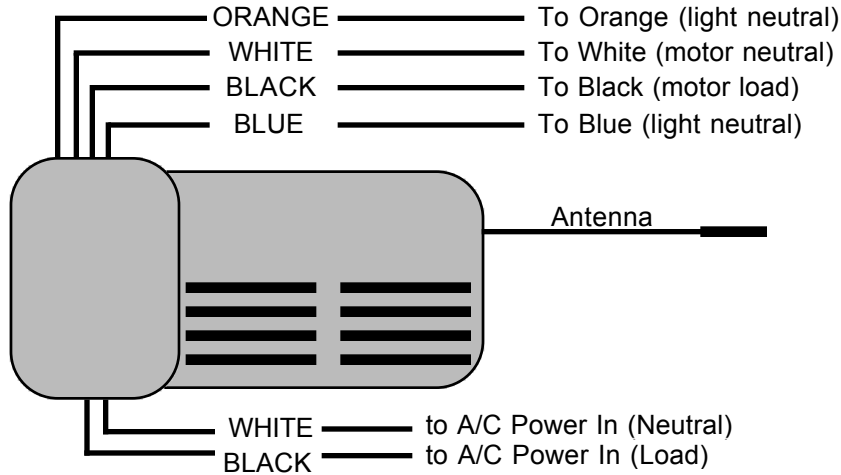
Receiving Unit Placement:

While there is ample room for the receiving unit as shown here, the wires can sometimes become difficult to manage in the space available. Trimming excess wire before making connections can ease wire management.

Tip: Splicing lighter gauge wire to the power supply and positioning the heavier wires up into the junction box can also ease wire management.

(a)

(a)

(b)

(c)
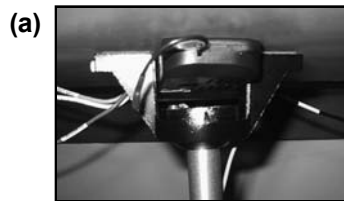
Dimming Selector Switch (for #003, #004 and #005 only):

You can select "dimming" or "on/off" light function on the wall control and/or remote handset. These transmitters ship in the "on/off" configuration. To enable dimming function on the wall transmitter, move the RIGHT (or lower) dip switch down (from ON to 2). To enable dimming function on your handset, move the vertically oriented dip switch down (from ON to 1).

The **LIGHT** button turns the light on and off with each contact. When dimming is enabled, pressing and holding the light button will initiate continuous dimming (cycling all the way down then all the way back up) until you release the **LIGHT** button. The top and bottom of the dimming range are indicated by an audible "chirp" from the receiving unit.

Universal or Dedicated RF Channels (for #003, #004 and #005 only)

Your control(s) ship configured to a "Universal" or common RF channel. If you have multiple fans in close proximity, you will want to pair your wall control and/or handheld transmitters to a dedicated (or Individual) channel for each transmitter. On the wall control/transmitter, the Individual Code can be set by moving the LEFT (or upper) dip switch down (from ON to 1). On the handset, this is achieved by moving the horizontally oriented dip switch to the RIGHT (from ON to 1).

With dip switches on the transmitter(s) set accordingly, turn power off at the bottom of your wall control or your main on/off switch. Then, to pair your transmitter with the receiver, turn power back on and immediately press and hold down the **LIGHT** and **FAN OFF** buttons simultaneously and for 15 seconds. If using a wall and a handheld transmitter with your fan, repeat pairing steps with second transmitter. If using only one transmitter, repeat pairing steps again with your primary device. This "pushes out" the Universal code from the receiver memory and will avoid unintended interference from any nearby transmitters using the Universal channel.

It is recommended that when the fan is not in use for continuous durations, power should be turned OFF. When power is returned, the fan (and light) will resume the same speed (and light setting).

Contact Modern Fan Customer Service with any questions related to pairing your controls with the receiver, operation of your fan or general installation.

Dip switches:

Handheld transmitter   Universal vs. Individual Channel   Wall transmitter

On/Off or Dimming