

Runtal[®]

OMNIPANEL[®]

OWNER'S MANUAL

Thank you for purchasing the Runtal Omnipanel. We are very proud of our workmanship and quality, and we are certain that you will be thoroughly satisfied with your new Runtal Omnipanel. We urge you to contact your local Runtal representative if you have comments or questions.

This manual is intended to show installation and care for all wall-mounted Runtal Omnipanels. Electrical connection, or hydronic piping should be performed by qualified professionals. The Plug-in (**P & PG models**), are intended for quick and easy homeowner installation.

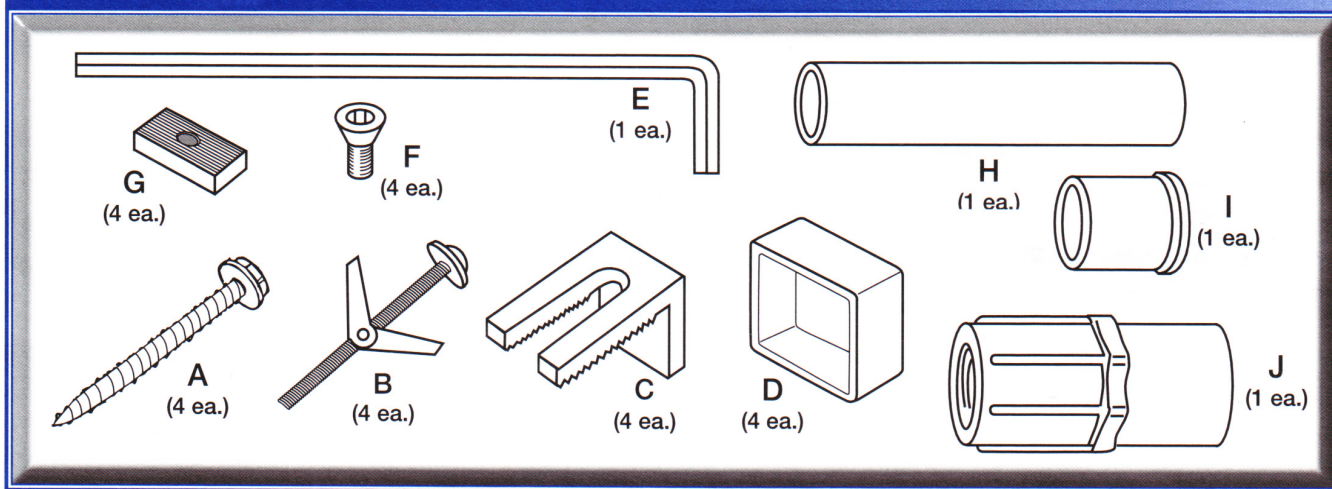
CONTENTS:

- 1- Omnipanel
- 1- Mounting Hardware Package
- 1- Owner's Manual

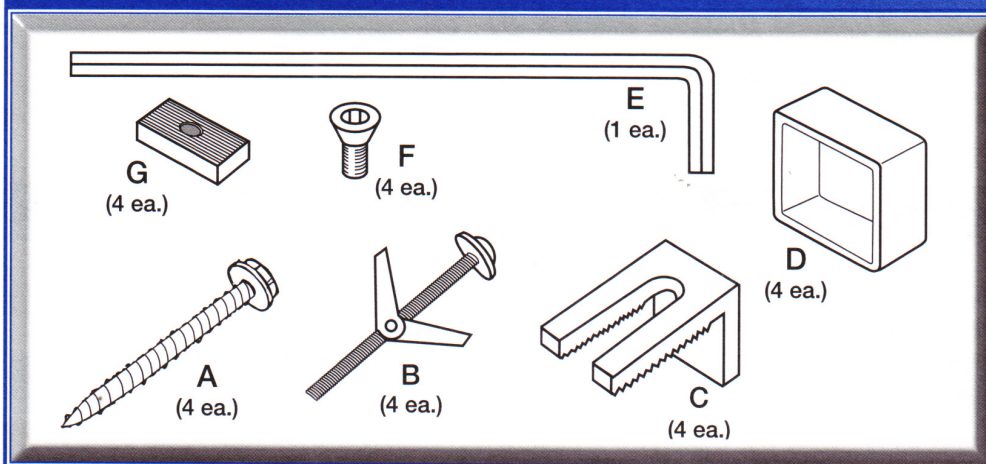
TOOLS REQUIRED:

- Screw Driver
- Electric Drill
- Allen Wrench (included)

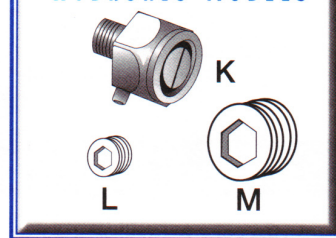
ELECTRIC MODELS D AND H



ELECTRIC MODELS P, PG, AND ALL HYDRONIC MODELS



HYDRONIC MODELS



Runtal[®]
RADIATORS
 Warmth by Design

INSTALLATION

Please check the contents of the Omnipanel carton to be sure you have received all of the parts required for your particular model. Runtal has made every effort to insure that all of the materials required for mounting your Omnipanel have been included, and depending upon your specific installation conditions, you may have parts left over. The Omnipanel mounting system has been designed for installation by one person, but you may find an assistant helpful.

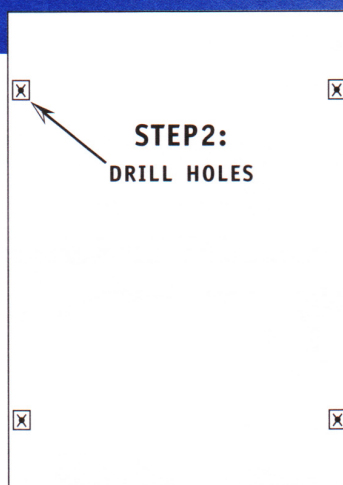
STEP 1 DETERMINE WIRING OR PIPING (IF OTHER THAN A PLUG-IN MODEL):

The electrician should start by providing the wiring to the Omnipanel if electrical, and the plumber should determine the piping configuration if the Omnipanel is hydronic.

STEP 2 MAKE A TEMPLATE:

For proper installation, the placement of wall brackets, the electrical hook-up (*for D & H models*), and the water hook-up (*for hydronic models*) must be exact. The diagrams at the right show the placement of the four mounting brackets for all models. The positioning of the mounting hardware may be completed by:

1. Measuring out the dimensions,
2. Asking an assistant to hold the unit to the wall while you trace the four mounting posts, or
3. Making a template by placing the Omnipanel onto a posterboard or large piece of the



Omnipanel carton and tracing the mounting posts. The template is then taped to the wall.

STEP 3 DETERMINE WALL CONSTRUCTION:

Drywall construction may require metal wall anchors, (part B).

Solid wood or placement directly onto blocking will require only the #8 x 1 1/2" long screws, (part A). Omnipanels are very sturdy construction, and care should be taken that they are properly and securely hung using all four mounting points.

STEP 4 DRILL HOLES:

Be sure to drill the mounting holes in the middle of the mounting bracket marks. Use of metal anchors will require 5/16" holes while use of #8 x 1 1/2" long screws will require 1/16" holes.

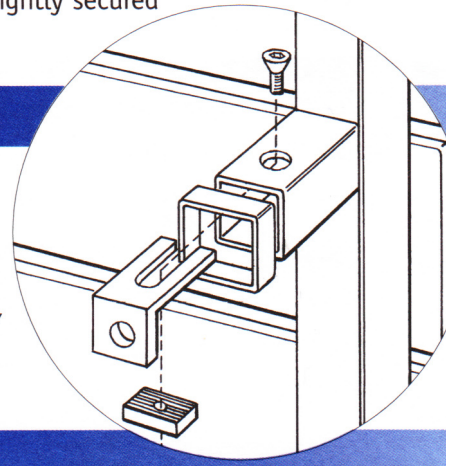
STEP 5 FASTEN THE WALL BRACKETS:

Using the appropriate fastener, attach the four "L" brackets (part C) to the wall. Be sure that the grooves in these brackets are facing down. Once positioned, The "L" brackets should be tightly secured to the wall.

STEP 6 ASSEMBLE THE OMNIPANEL BRACKETS:

Slip a grooved nut (part G) inside one of the brackets on the back of the Omnipanel (making sure the grooves on the nut are facing up). Loosely screw the hex screw (part F) into this nut, and repeat on all four brackets. Then on all models, slide the four plastic sleeves (part D) over the Omnipanel brackets. Use of sleeves is optional, but they provide a finished, flush appearance on uneven walls.

If the installation has a good, flat surface, use of the sleeves may not be desired.



STEP 7 HANG THE OMNIPANEL ON THE WALL:

Once the hex screw and nut are loosely positioned, simply slide the Omnipanel onto the wall brackets, and tighten the hex screws with the hex wrench (part E).

STEP 8 MAKE THE ELECTRICAL OR PIPING CONNECTIONS:

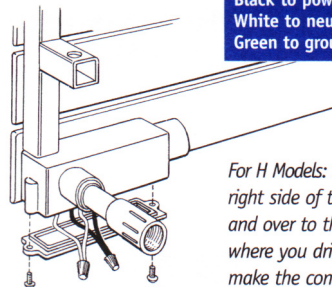
Please refer to ELECTRICAL DETAILS or HYDRONIC PIPING DETAILS.

Electrical Details

ELECTRICAL INSTALLATION PROCEDURE:

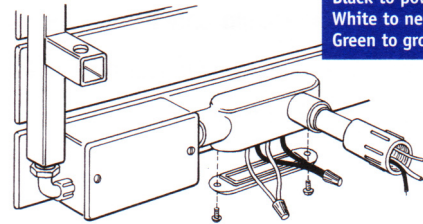
All electric Omnipanels are designed for 120V AC 60Hz and they must be GFCI protected. In the case of PG models, this protection is integrated into the cord provided. In the case of the D, H, and P models, GFCI protection must be provided at the circuit breaker by a qualified electrician. D, H, and PG models are UL listed, while D, H, and P models are CSA listed.

MODEL H
Electrical connections
Black to power
White to neutral
Green to ground



For H Models: Starting at the bottom right side of the unit, go up 1 1/4" and over to the left 1 1/2". This is where you drill the hole in the wall to make the connection to the junction box on the unit.

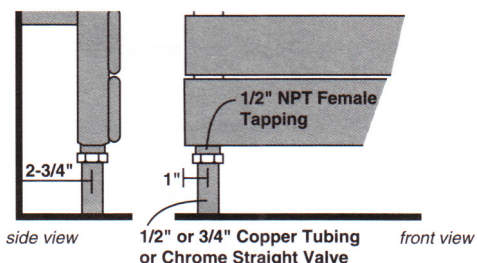
MODEL D
Electrical connections
Black to power
White to neutral
Green to ground



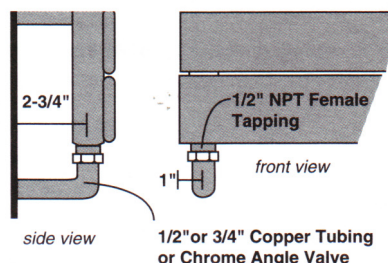
For D Models: Starting at the bottom right side of the unit, go up 1 1/4" and over to the left 11 3/8". This is where you drill the hole in the wall to make the connection to the junction box on the unit.

Hydronic Piping Details

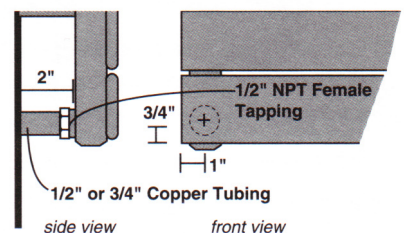
BOTTOM TYPE- VERTICAL PIPING TO FLOOR



BOTTOM TYPE- VERTICAL PIPING TO WALL



BACK TYPE- REAR PIPING TO WALL



STEP 9 (HYDRONIC MODELS ONLY):

Add air vent, (part K), and plugs, (parts L and M) in tappings not used and properly seal with tape and pipe dope.

OPERATION & MAINTENANCE

OPERATION

The **D**, **P**, and **PG** models come complete with a 4-position switch, (Off, Low, Medium, and High). While the fastest heating will be achieved on the high setting (approximately 25 minutes to full heat), the low or medium settings will produce optimum heating efficiency. Cold rooms will benefit by leaving the unit on longer.

The **H** model must be connected to a separate switch (*by others*) mounted on the wall in a convenient location.

You may wish to use our Omnipanel Programmable Controller (OPC) for maximum efficiency.

The operation of the **Hydronic** model is dependent upon the forced hot water heating system being used. Typical concerns are: water temperature, flow rate, and controlling thermostats and valves. Consult with the installing heating contractor for the proper choice of the available **Hydronic** models, and for installation specifics.

MAINTENANCE

Your Runtal Omnipanel has been designed to require the absolute minimum maintenance and care under normal use. However, care should be taken when cleaning the surface of the panel. As with any electrical appliance, the electric Omnipanel should only be cleaned when in the OFF position, (*and unplugged if possible*). Hydronic panels may be cleaned at any time.

CLEANING AND MAINTENANCE

The Omnipanel's painted finish provides an elegant yet durable finish to this welded steel product. Occasional cleaning of this finish is best done with a water dampened cloth. **Under no circumstances should abrasive cleaners, cloths, or pads be used.** It is also important to keep a record of the exact color of your Omnipanel, as Runtal normally has touch up paint available.

IMPORTANT UL WARNINGS APPLICABLE TO ELECTRIC APPLIANCES:

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including:

- 1) Read all instructions before using this heater.
- 2) Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.
- 3) Always unplug heater when not in use.
- 4) Do not operate any heater with a damaged cord or plug or after the heater malfunctions, or has been damaged in any manner. Return the heater to an authorized service facility for examination, electrical or mechanical adjustment, or repair.
- 5) Do not run the cord under carpeting. Do not cover the cord with throw rugs, runners, or the like. Arrange the cord away from traffic areas and where it will not be tripped over.
- 6) To disconnect heater, turn controls to off, then remove the plug from the outlet.
- 7) Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
- 8) Avoid the use of an extension cord, because the extension cord may overheat and cause a risk of fire. However, if you have to use an extension cord, the cord should be No. 18 AWG min. size and rated not less than 875 watts.
- 9) **SAVE THESE INSTRUCTIONS**