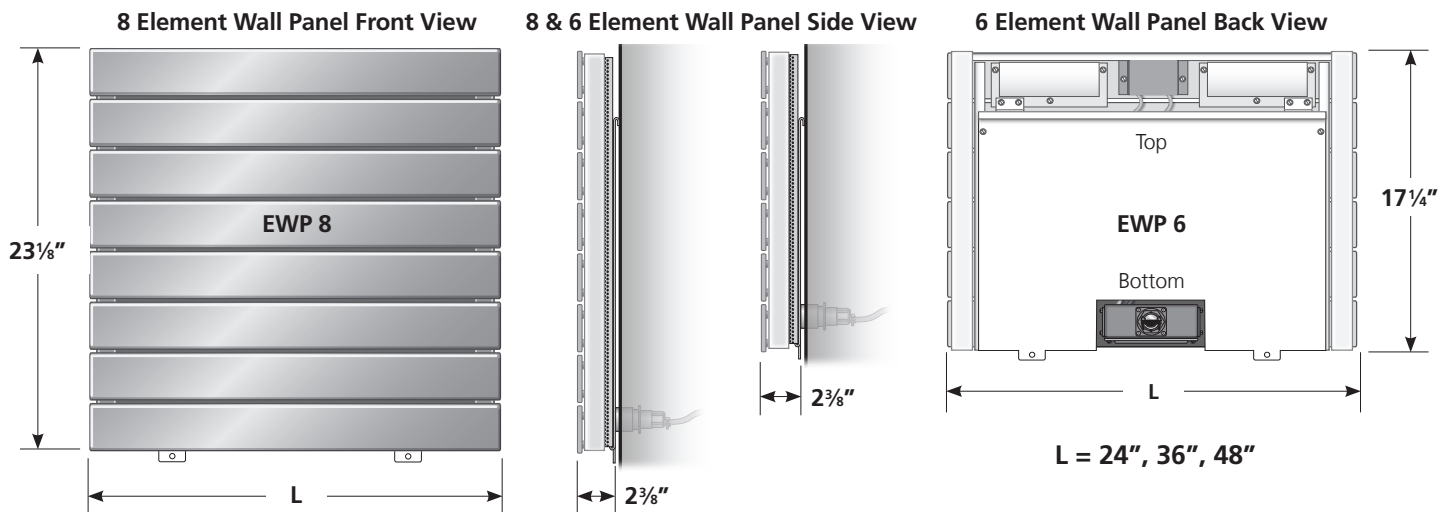


Runtal[®] Electric Wall Panel

OWNER'S MANUAL & INSTALLATION INSTRUCTIONS



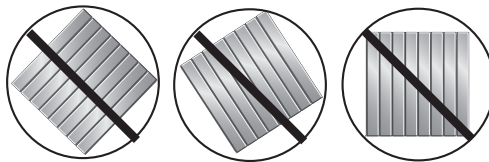
Thank you for purchasing the Runtal Electric Wall Panel. We are very proud of our workmanship and quality, and we are certain that you will be thoroughly satisfied with your new Runtal Electric Wall Panel. We urge you to contact your local Runtal representative if you have comments or questions. This manual is intended to show installation and care for your Runtal Electric Wall Panel. The electrical wiring connections must be made by a qualified professional electrician. Wiring procedures and connections must be in accordance with the National Electric Code (NEC) and local codes.

The Electric Wall Panel must be installed in a horizontal orientation as shown below.

Correct Orientation



Incorrect Orientations



Proper installation requires the Runtal Electric Wall Panel to be in the horizontal position as shown. No other orientations are acceptable.

CONTENTS:

- 1 Electric Wall Panel (EWP)
- 1 Mounting Hardware Package
- 1 Owner's Manual

TOOLS REQUIRED:

- Screw Drivers
- Electric Drill

OPERATING INSTRUCTIONS

1. Runtal Electric Wall Panel must be properly installed before it is used.
2. Runtal Electric Wall Panel must be connected to a switching device, thermostat / relay switch, etc.
3. The heating element and high-limit thermostat should not be tampered with.
4. Individual thermostats used in conjunction with the EWP will determine operational use.

MOUNTING & INSTALLATION

Overview: The EWP is designed for a very quick and easy wall mounting installation.

Simply choose an appropriate location, attach wall brackets to the wall, make the electrical connection, hang the unit on the wall and screw in the lockdowns. Please note that all installations of the Runtal EWP should be in accordance with local building and electrical codes and performed by a licensed installer.

Locating the EWP: The Runtal Electric Wall Panel (EWP) is intended to be permanently wall mounted in a horizontal position (please see the drawing for correct orientation).

It is recommended that the EWP be mounted no less than 2" above the finished floor.

Inspect the desired location for the EWP and insure that there is sufficient room for the unit and that there are no obstacles that might hinder wall mounting.

MOUNTING EWP STEP 1

The EWP is designed so that the wall brackets K12 may be placed on the wall at stud locations. It is recommended that the wall hangers be installed roughly 4" to 6" from either end of the radiator.

Determine how much clearance between the floor and the bottom of the EWP is desired (to give you the height you need to place the wall brackets). Mark this location.

For Model EWP6: The top of the wall brackets should be 14" plus the floor clearance distance.

Example: If you would like to have 2" clearance from the floor, the top of the K12 mounting bracket should be on the wall 16" above the floor (14" for the unit and 2" for clearance).

For Model EWP8: The top of the wall brackets should be 19½" plus the floor clearance distance.

Example: If you would like to have 2" clearance from the floor, the top of the K12 mounting bracket should be on the wall 21½" above the floor (19½" for the unit and 2" for clearance).

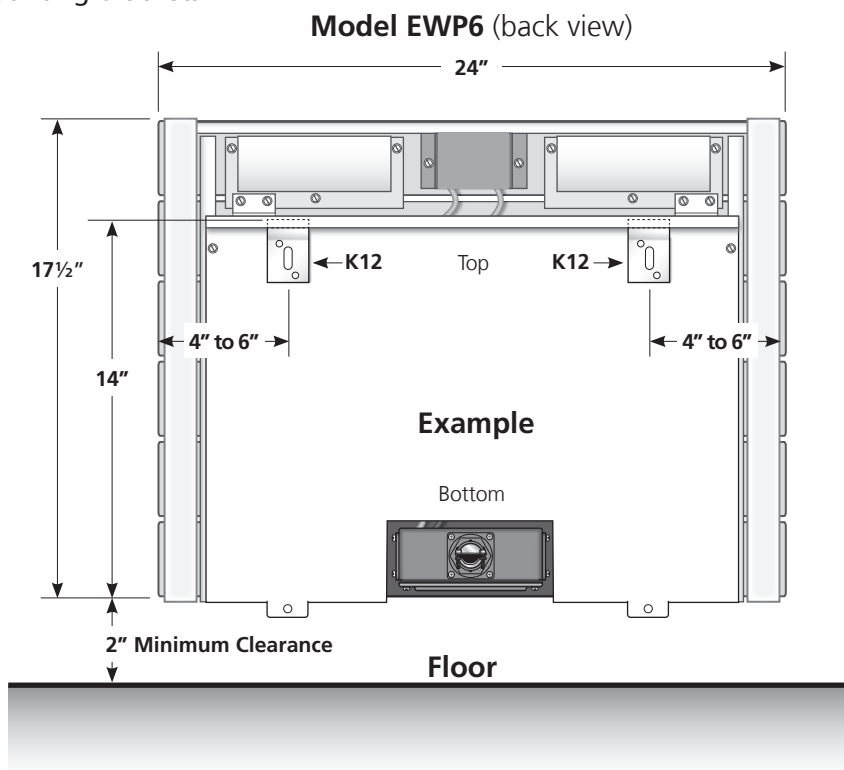
Determine how far apart to hang the (K12) mounting brackets.

This measurement depends upon the width of the radiator to be installed as noted above.

Mark this location.

Example: A 24" wide EWP should have the mounting brackets a minimum of 12" apart and a maximum of 16" apart (4" to 6" in from either side) Using the appropriate fastener(s), firmly attach the K12 mounting brackets to the Wall in the desired locations.

Hang the EWP on the Wall brackets to insure the location is acceptable and that the wall brackets are solidly installed. If the location is acceptable remove the radiator and set aside on the wrapping foam to protect the finish.



WIRING AND LOCATING EWP STEP 2

Thermostat: A line voltage thermostat or a low voltage thermostat with a relay is recommended for room temperature regulation, and for switching off the Electric Wall Panel when not in use. Thermostat and /or relay are by others, and is not supplied with the Runtal Electric Wall Panel.

Note: Thermostat location recommendations

- Locate the thermostat away from the heater and other appliances that give off heat.
- Locate the thermostat where it will not be in direct sunlight.
- Locate the thermostat on an inside wall away from drafts.
- Do not exceed the electrical rating of the thermostat ,relay or other switching device.
- Most thermostats are mounted about 5 feet off the floor. Check with your local code officer, as ADA regulations may apply.

Location: For best results locate the Electric Wall Panel on a outside wall, under a window or near an entry door.

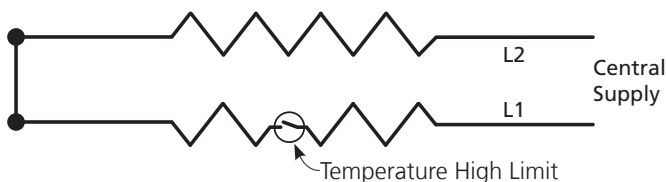
Voltage: It is important that you verify the electrical supply voltage is the same as the Electric Wall Panel. Connecting a 240 volt Electric Wall Panel to a 120 volt supply will decrease the heaters output: connecting a Electric Wall Panel to a higher voltage may damage the heater and void the warranty.

Warning: Do not install heaters against combustible low density cellulose fiberboard surfaces. Keep drapes 2 inches away from the Electric Wall Panel. Do not install Electric Wall Panel heater below an electrical convenience receptacle. To reduce the risk of fire, do not store or use gasoline or other flammable vapors and liquids in the vicinity of the heater. Only install as illustrated in this manual.

Name Plate Location: (UL Label) The name plate is located on the right side of the radiator.



Factory Wiring Diagram



STEP 3 PREPARE THE EWP FOR WALL HANGING AND ELECTRIFICATION

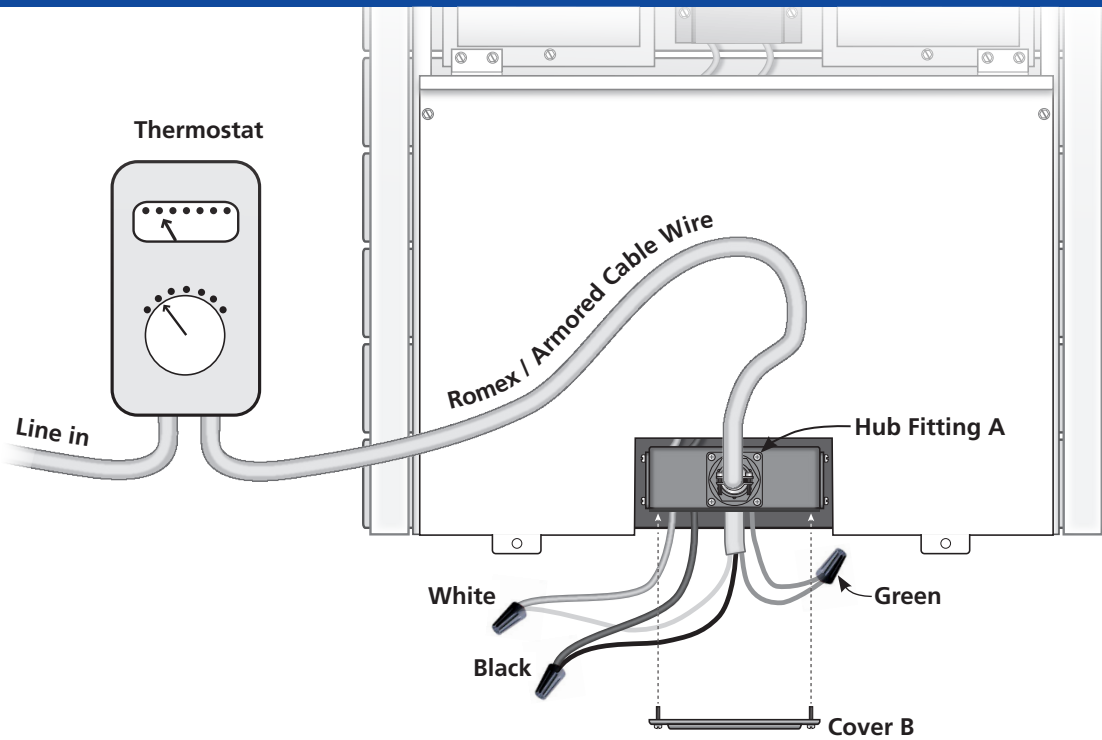
Please be sure to follow all applicable building and electrical codes. It is recommended that the installation be performed by a licensed electrician. The electrical supply must be from the wall at the rear of the radiator. For ease of installation it is recommended that the supply wire coming from the wall be long enough and flexible enough to allow the electrification of the unit while placed face down on the floor (protected to insure the finish on the front of the unit is not damaged) near its wall hung location.

STEP 4 RUN SUPPLY WIRES

Mark a vertical line where the center of the radiator will be located.

Measure down from the top of the wall bracket 12½" for a EWP-6 to determine the point to drill a 2" hole in the wall for the electrical supply wires.

Measure down from the top of the wall bracket 18¾" for a EWP-8 to determine the point to drill a 2" hole in the wall for the electrical supply wires.



STEP 5 ATTACH THE ELECTRICAL SUPPLY TO THE UNIT

Remove the flat square cover from the junction box and discard. Remove the junction box **Cover B** and install the 1" hub **Fitting A** to the junction box. Next install the Romex clamp adapter to the 1" hub fitting.

Locate the supply wire coming out of the wall and feed it through the restraint into the junction box. Allow as much wire as needed to make the connection to the radiator heater wires.

Secure the supply wire by tightening the screws on the wire restraint.

Use wire nuts to connect the green supply wire to the green grounding wire in the junction box and one of the heater wires to each of the supply wires. Make sure that all wiring connections are secure inside the junction box and replace the bottom junction box cover.

The unit is now ready for wall hanging

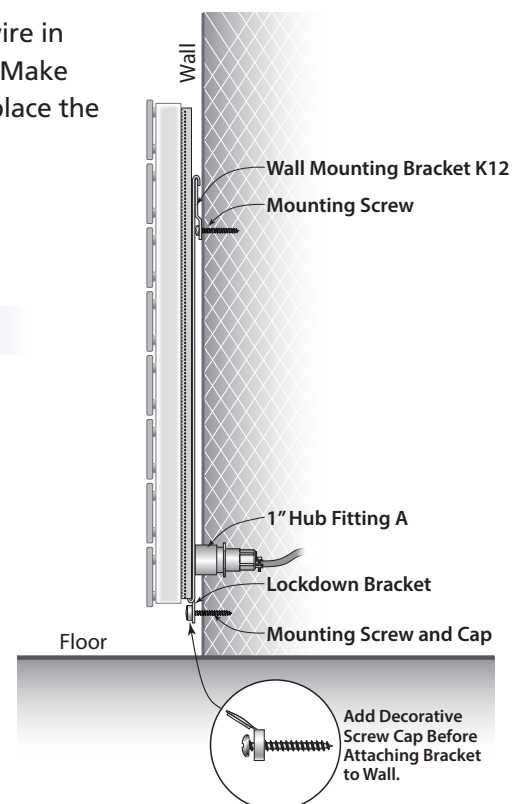
STEP 6 HANG THE ELECTRIFIED UNIT ON THE WALL

Lift the EWP onto the Wall Brackets while inserting the wiring into the wall.

Locate the Lockdown Brackets on the bottom of the radiator and put a mounting screw (with screw cap) through each one into the wall.

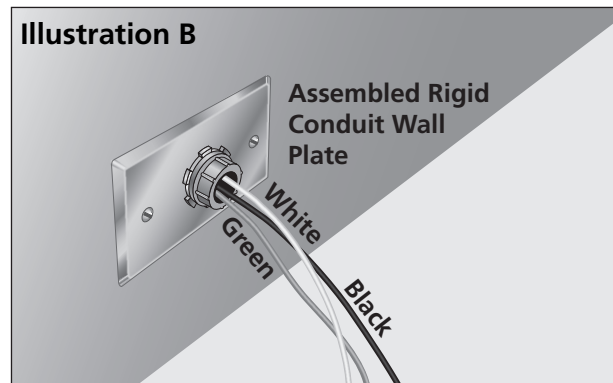
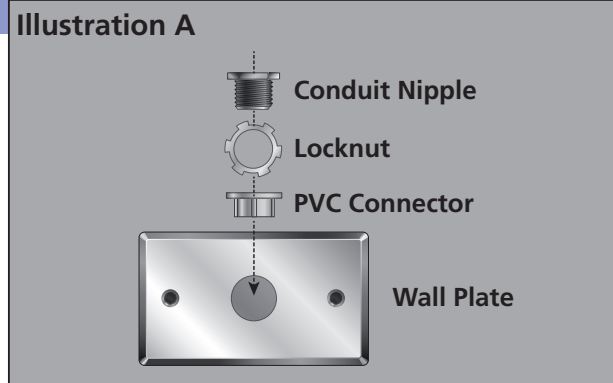
Note: The Runtal EWP is equipped with a manual reset High-Limit Thermostat to insure against overheating. Should the radiator stop working for any reason, Runtal recommends that the power to the unit be shut off at the source (circuit breaker) and a licensed electrician be contacted for service.

Locking Down Wall Panel



MOUNTING INSTRUCTIONS FOR RIGID CONDUIT, WHERE REQUIRED.

Secure the Rigid Conduit Wall Plate (illustration A) and connections in selected wall location, allow six (6") inches of supply wire (illustration B) to establish a connection to the radiator's junction box. The radiator must be centered with the Rigid Conduit Wall Plate and the wall plate aligned with the back portion of the radiator's electrical junction box, this will allow for access of the supply wires. Lift the EWP onto the Wall Brackets to hang while ensuring the rigid conduit from the mounted wall plate is inserted into the back of the radiator's junction box, the wires are then fed through the bottom of the junction box and connected to the appropriate connections located in the junction box. Use wire nuts to connect the green wire to the green grounding wire in the junction box and one of the heater wires to each of the supply wires. Make sure all wiring connections are secure inside the junction box, replace the bottom cover and affix the bottom cover with the provided screws. The electrified radiator unit is now ready to be securely mounted for wall hanging. The radiator must be secured to the wall at the bottom portion of the radiator with provided Lockdown Brackets.



OPERATION & MAINTENANCE

MAINTENANCE & CLEANING

Your Runtal Electric Wall Panel (EWP) 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. Periodically vacuum across the top of the grille to remove dust from the grille. A slight odor may be noticeable during initial operation and will dissipate within a few hours.

The EWP's powder coated finish provides an elegant yet durable finish to a welded steel product. Occasional cleaning of this finish is best done with a water dampened cloth. **Under no circumstances should abrasive cleaner be used. Before cleaning make sure the power has been turned off at the circuit breaker panel, and the heating element is cool.** Be sure to restore power when cleaning and maintenance is complete. All other servicing should be performed by qualified service personnel.

MAXIMUM WATTAGE ON A CIRCUIT

For installation of multiple electric wall panel radiators, the following chart should be used. The chart indicates supply voltage, circuit breaker rating, minimum wire size, and maximum total wattage of electric radiators on the circuit.

Voltage A.C.	Circuit Breaker Size	Maximum Wattage	Minimum Wire Size
120	15 Amp	1440	14/2 with Ground
120	20 Amp	1920	12/2 with Ground
120	30 Amp	2880	10/2 with Ground
208	15 Amp	2496	14/2 with Ground
208	20 Amp	3328	12/2 with Ground
208	30 Amp	4992	10/2 with Ground
240	15 Amp	2880	14/2 with Ground
240	20 Amp	3840	12/2 with Ground
240	30 Amp	5760	10/2 with Ground

IMPORTANT INSTRUCTIONS

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

1. Read all instructions before using this heater.
2. A heater has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint, or flammable liquids are used or stored.
3. This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains away from heater.
4. To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use on soft surfaces, like a bed, where openings may become clogged.
5. Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electrical shock or fire, or damage the heater. Never tamper with the EWP or any of its components.
6. Use heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
7. Extreme caution is necessary when any heater is used by or near children or persons which may require supervision and whenever the heater is left operating and unattended
8. Do not operate any heater after it malfunctions. Disconnect power at service panel and have the heater inspected by a reputable electrician before reusing.
9. Do not use outdoors.
10. The EWP should not be in direct contact with water.
11. To disconnect heater, turn controls to off, and turn off power to the heater circuit at main disconnect panel (or operate internal disconnect switch if provided).
12. The Runtal EWP is equipped with a manual reset High-Limit Thermostat to insure against overheating. Should the radiator stop working for any reason, Runtal recommends that the power to the unit be shut off at the source (circuit breaker) and a licensed electrician be contacted for service.

13. SAVE THESE INSTRUCTIONS



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