Tripp Lite SRCOOL12KE Portable Air Conditioning Unit Owner's Manual

Contents

TRIPP LITE

Tripp Lite SRCOOL12KE Portable Air Conditioning Unit

Specifications

- Product: Portable Air Conditioning Unit
- Model: SRCOOL12KE
- Series Number: AG-07FB
- Power Supply: 120V, 60Hz

Product Usage Instructions

Introduction
The self-contained Portable Air Conditioning Unit provides 13,000 BTU/hr. ASHRE, (9,000 BTU/hr. SACC/DOE) of supplemental cooling (see product nameplate for reference). Designed for IT environments, it's ideal for cooling overheated rack enclosures, IT equipment hot spots and network closets without access to facility air conditioning. The Portable Air Conditioning Unit can focus cool air through its flexible cooling duct or cool a small room through its louvered vent. It also filters and dehumidifies air to improve operating conditions and equipment reliability. Condensate is re-evaporated for drip-free operation, so you won't waste time emptying water collection tanks. The self-contained design does not require any plumbing or special circuits, so setup is quick and easy.

Environmental Standards Compliance
The SRCOOL12KE portable air conditioner utilizes R32 refrigerant, a next-generation solution designed to meet the latest environmental standards. R32 has a significantly lower global warming potential (GWP) compared to traditional refrigerants like R-410A, which helps reduce the overall impact on climate change. By adopting R32, the SRCOOL12KE aligns with international efforts aimed at phasing down high-GWP refrigerants. This not only supports global initiatives to combat greenhouse warming, but also ensures compliance with current and upcoming regulations set by the U.S. Environmental Protection Agency (EPA), the State of California and Canada. Additionally, the SRCOOL12KE meets the latest standards for the Department of Energy (DoE), California Energy Commission (CEC) and Natural Resources Canada (NRCAN) for portable air-conditioning units, ensuring energy efficiency and compliance with the environmental standards.

For more information, please visit the websites below:

US Environmental Protection Agency (EPA)

https://www.energystar.gov/productfinder/product/certified-room-air-conditioners/results

US Department of Energy
https://www.regulations.doe.gov/certification-data/CCMS-4-Air_Conditioners_and_Heat_Pumps_-_Portable_Air_Conditioners.html#q=Product_Group_s%3A%22Air%20Conditioners%20and%20Heat%20Pumps%20-%20Portable%20Air%20Conditioners%22

California Energy Commission
https://cacertappliances.energy.ca.gov/Pages/ApplianceSearch.aspx

Intertek ETL
https://ramuk.intertekconnect.com/WebClients/ITS/DLP/products.nsf/vwSearch?SearchView&Query=FIELD%20ListHead%20Contains%20SRCOOL12KE%20or%20FIELD%20CatCode%20Contains%20SRCOOL12KE%20or%20FIELD%20Title%20Contains%20SRCOOL12KE%20or%20FIELD%20ProductInformation%20Contains%20SRCOOL12KE%20or%20FIELD%20ProductInfo%20Contains%20SRCOOL12KE&SearchOrder=1&SearchMax=1000&SearchWV=FALSE&SearchThesaurus=FALSE&SearchFuzzy=FALSE

Natural Resources Canada (NRCan)
https://natural-resources.canada.ca/energy-efficiency/energy-star-canada/energy-star-products/why-buy-energy-star/13604

Recommended Applications:

- Cooling an overheated rack enclosure.
- Cooling an equipment hot spot inside or outside a rack enclosure.
- Cooling a small room.

Important Safety Instructions

SAVE THESE INSTRUCTIONS
This manual contains instructions and warnings that should be followed during the installation, operation and storage of this product. Failure to heed these warnings may affect your warranty.

Specific Information Regarding Appliances with R32 Refrigerant Gas

- When defrosting and cleaning the appliance, do not use any tools other than those recommended by the distributor.
- The appliance must be placed in an area without any continuous sources of ignition (for example: open flames, gas or electrical appliances in operation).
- Do not puncture and do not burn.
- If the appliance is installed, operated or stored in an unventilated area, the room must be designed to prevent to the accumulation of refrigerant leaks resulting in a risk of fire or explosion due to ignition of the refrigerant caused by electric heaters, stoves, or other sources of ignition.
- The appliance must be stored in such a way as to prevent mechanical failure.
- Individuals who operate or work on the refrigerant circuit must have the appropriate certification issued by an accredited organization that ensures competence in handling refrigerants according to a specific evaluation recognized by associations in the industry.
- Repairs must be performed based on the recommendation from the distributor. Maintenance and repairs that

require the assistance of other qualified personnel must be performed under the supervision of an individual specified in the use of flammable refrigerants.
- Ducts connected to an appliance shall not contain a potential ignition source.

General Safety Instruction

- The appliance is for indoor use only.
- Do not use the unit on an outlet under repairs or not installed properly.
- Do not use the unit:
- Near to source of fire.
- An area where oil is likely to splash.
- An area exposed to direct sunlight.
- An area where water is likely to splash.
- All air conditioner outlets must comply with the local electric safety requirements. If necessary, please check for the requirements.

Important Safety Instructions

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Use of this equipment in life support applications where failure of this equipment can reasonably be expected to cause the failure of the life support equipment or to significantly affect its safety or effectiveness is not recommended. Do not use this equipment in the presence of a flammable anesthetic mixture with air, oxygen or nitrous oxide.
- Do not pull, deform or modify the power supply cord or immerse it in water. Pulling or misuse of the power supply cord can result in damage to the unit and cause electrical shock.
- A damaged power supply cord must be replaced with a new power supply cord obtained from the product manufacturer and must not be repaired.
- The appliance shall be installed in accordance with national wiring regulations.
- Contact an authorized service technician for repair or maintenance of this unit.
- The individual user should determine prior to use whether this device is suitable, adequate or safe for the use intended. Since individual applications are subject to great variation, the manufacturer makes no representation or warranty as to the suitability or fitness of this device for any specific application.
- Install the unit indoors, away from extreme temperatures or humidity, direct sunlight, dust and conductive contaminants.
- Leave adequate space around the unit for ventilation, with rear and vented sides not less than 20 inches (51 cm) from walls or other obstacles.
- Install the unit on a flat surface with a gradient no more than 10°.
- Connect the unit directly to a grounded AC power outlet. Failure to do so may cause an electric shock or fire.
- Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects. The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.

- This unit is designed to supply supplemental cooling for localized hot spots.
- The power supply for the unit must be rated in accordance with the unit's nameplate.
- Do not modify the plug nor use an adapter that would eliminate the ground connection.
- Do not use an extension cord to connect the unit to an AC outlet. Use only the power cord that came with the unit.
- Comply with all applicable wiring and safety regulations, such as National Electrical Code (NEC) in the United States.
- Do not plug additional equipment into the outlet where the unit is plugged in. Overloading the outlet may cause an electric shock or fire.
- Do not attempt to turn the unit on or off by connecting or disconnecting the AC plug. A serious electric shock may occur. Use the ON/OFF button to turn the unit on or off.
- Turn the unit off and unplug it from the AC outlet before performing maintenance.
- Before connecting the unit to a dedicated drainage system, turn it off and unplug it. There is a risk of electric shock while the unit is plugged in.
- Do not use thinners, alcohol, detergents or abrasive brushes to clean the unit's cabinet. These items may damage the cabinet.
- Do not pour water over the unit. This may cause an electric shock and damage the unit.
- Do not operate the unit without the air filter. This may cause dust accumulation that may damage the unit.
- Do not attempt to operate the unit in a room with inadequate air circulation. Provide makeup air in accordance with applicable building codes.
- Do not place objects on top of the unit.
- Do not operate your air conditioner in a wet room, such as a bathroom or laundry room.
- The applicable operating temperature range for this unit is 62°F – 95°F (17°C – 35°C).
- 

Appliance filled with flammable gas R32.
-  Before installing the applicance, read this manual first.
-  Before using the applicance, read the owner's manual first.

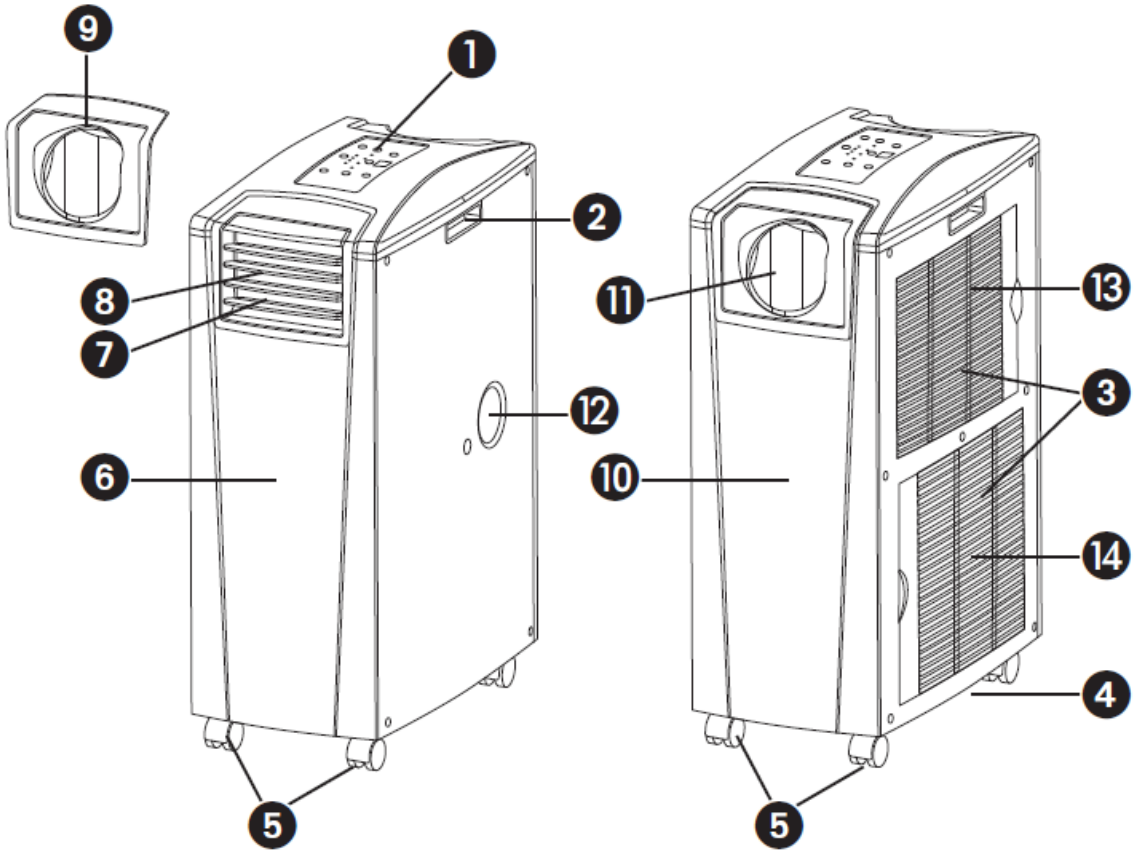
Features

The portable air conditioning unit comes with various features including a control panel, air filter covers, drainage outlet, casters for easy mobility, cooling duct adapter, and front/rear view for easy access.

Front/Rear View

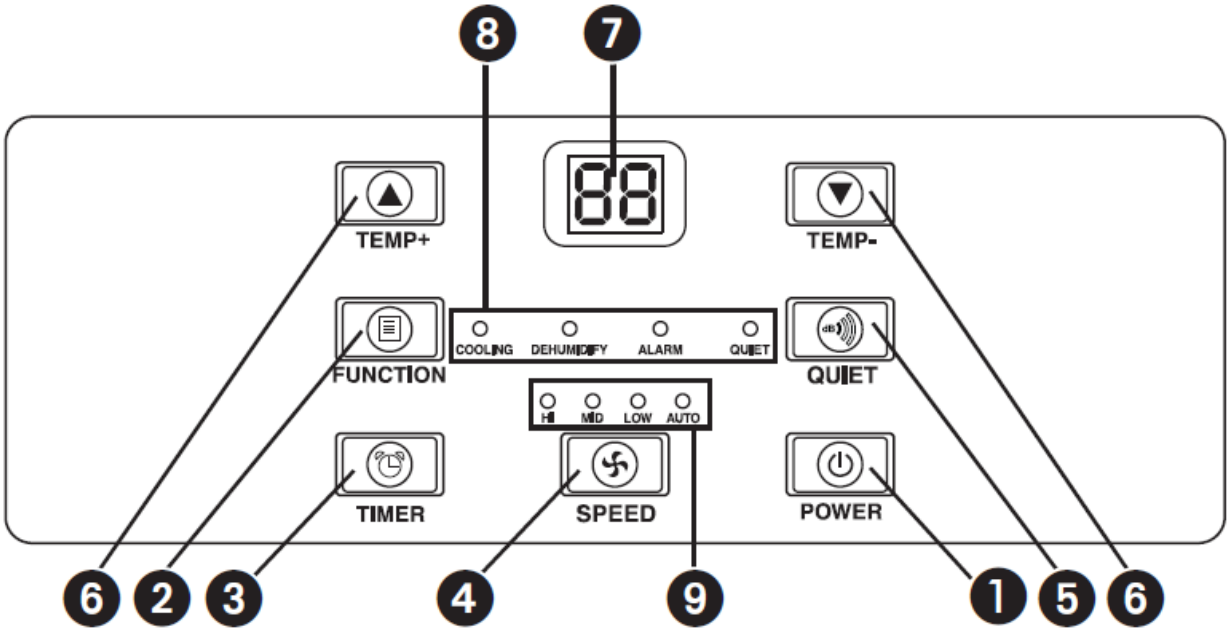
1. Control Panel
2. Communications Port
   (Located in the Recessed Handle)
3. Air Filter Covers
4. Drainage Outlet
5. Casters
6. Front Panel

7. Cool Air Output
8. Louvered Vent Insert (Pre-Installed)
9. Cooling Duct Adapter (Optional)
10. Rear Panel
11. Warm Air Exhaust
12. Evaporator Drainage Outlet
13. Evaporator Filter
14. Condenser Filter



Control Panel

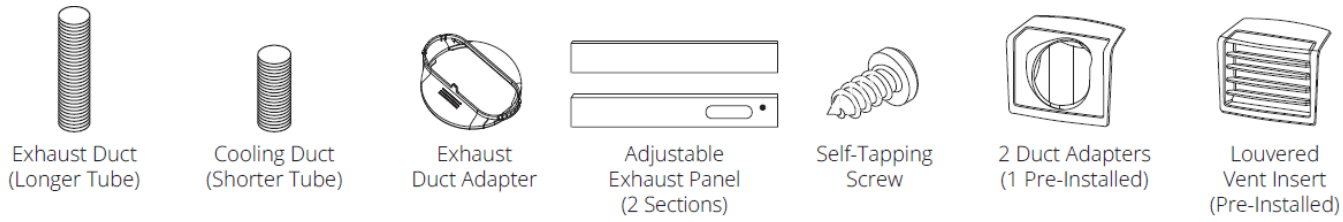
1. “POWER” Button
2. “FUNCTION” Button
3. “TIMER” Button
4. “FAN SPEED” Button
5. “QUIET” Button
6. Temperature Control Buttons
7. Numeric Display
8. Operating Mode LEDs
9. Fan Speed Mode LEDs



Installation

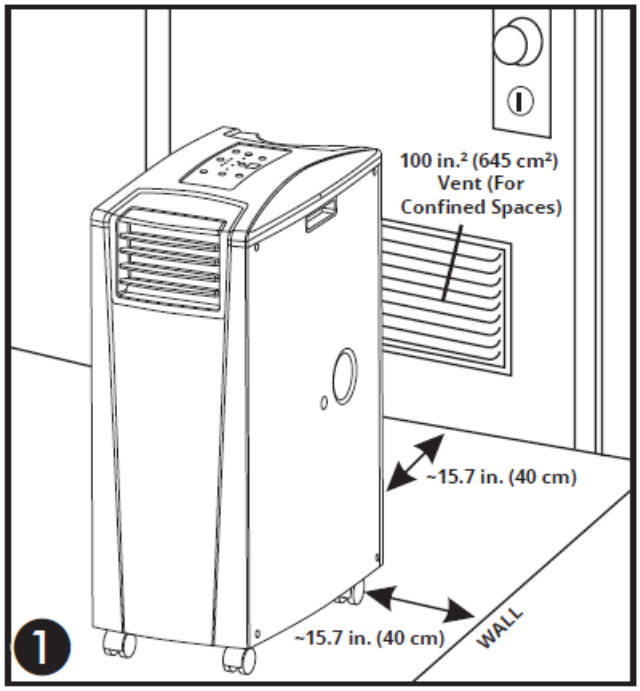
Warning: After removing the unit from the shipping container, check for damage or missing parts. (Refer to the parts list below.) If you notice a problem, visit **Tripplite.Eaton.com** for service. Do not attempt to operate a damaged unit.

Accessory Parts List:



Unit Placement

Place the unit on a flat, level surface near a grounded AC outlet that matches the unit's voltage requirements (90-110% of the specified voltage). For best results, we recommend you do not exceed a maximum of 15.7 inches (40 cm) of clearance around the unit's sides and rear for ventilation. If you need to extend the exhaust pipe to place the unit farther from the wall, this will result in energy loss and the unit may not reach its rated efficiency. Place the unit near a drop ceiling or window to provide the shortest, most direct path for the flexible exhaust duct. If you plan to use the flexible cooling duct to cool a specific rack or device, place the unit close to that target to minimize the duct length.

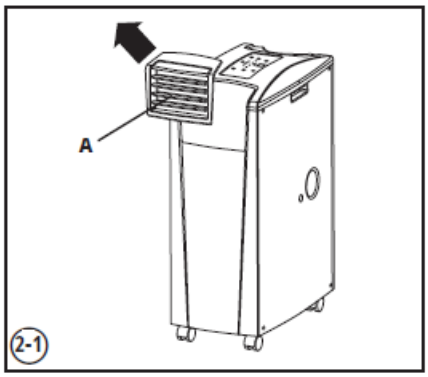


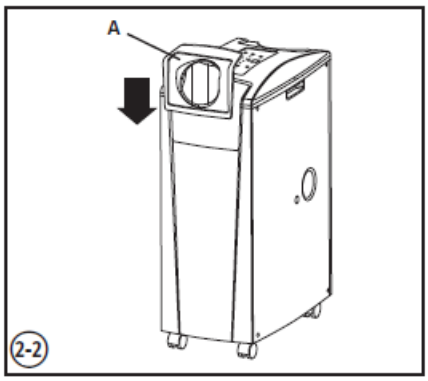
Warning: Do not use an extension cord to connect the unit to an AC outlet. Use only the power cord that came with the unit.

Note: If the unit will operate in a confined space (such as closet), you must supply makeup air in order to maintain airflow efficiency. A 100 in.2 (645 cm2) or larger vent installed near the bottom of the door should supply adequate makeup air for a typical closet. Consult applicable building codes for more information.
Exhaust hose not shown—see Section 3.

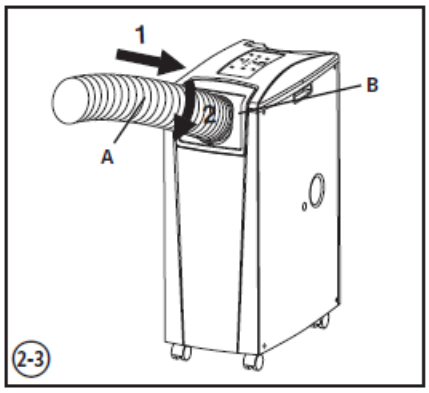
Cooling Duct Connection (Optional)
The pre-installed louvered vent insert is appropriate for room cooling applications. If you plan to cool a room, skip step 2 and proceed to step 3. If you plan to use the flexible cooling duct to focus cool air on a specific device or rack enclosure, follow the instructions below.

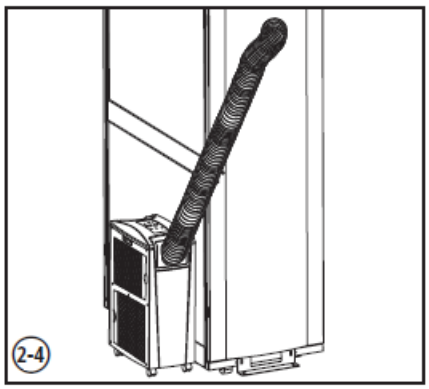
- Remove the louvered vent insert A by pulling it outward and upward.
- Align the cooling duct adapter A in the vent opening and push it downward until it





- Connect the flexible cooling duct (shorter tube A) to the cooling duct adapter B. Align the duct with the circular adapter opening, push the duct downward and turn the duct clockwise to screw it into the adapter until it reaches the stop. Do not over-tighten or force past the stop.

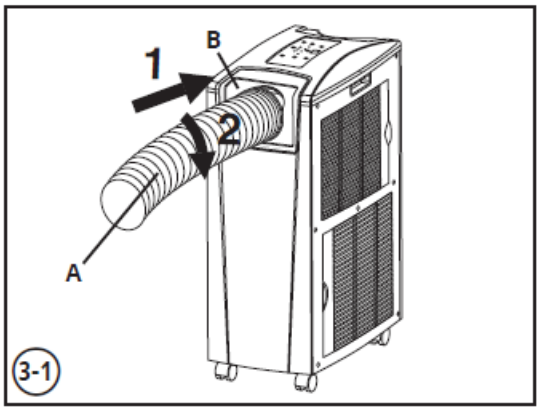


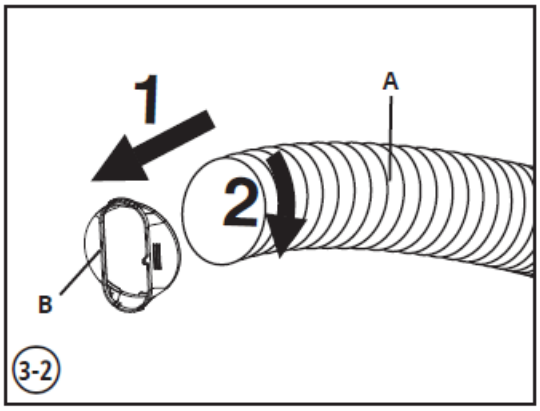


- Place the other end of the cooling duct near the air intake of the target device or rack enclosure, using the straightest, shortest path available. If you plan to cool a rack enclosure, place the end of the cooling duct over a perforated area near the top of the enclosure’s front door (or near the top of the bank of equipment that requires cooling). Cool air will sink and spread across the air intakes at the front of the rack enclosure.

Exhaust Duct Connection (Required)

- Connect the flexible exhaust duct (longer tube A) to the warm air exhaust vent on the rear panel of the unit B. Align the duct with the circular vent opening, push the duct inward and turn the duct clockwise until it contacts the stop.



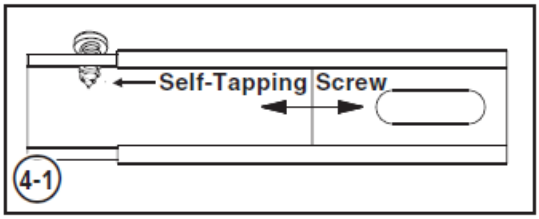


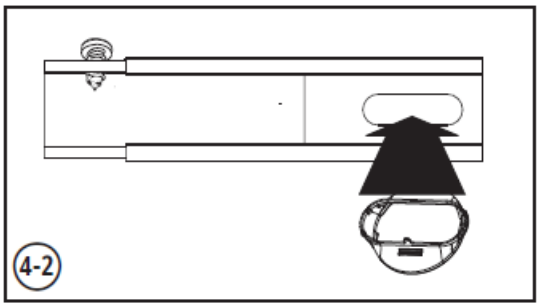
- Connect the other end of the exhaust duct A to the exhaust duct adapter B. Align the duct with the circular adapter opening, push the duct inward and turn the duct clockwise until it screws into the adapter solidly. If you plan to connect the exhaust duct to a drop ceiling, proceed to step 4. If you plan to connect the exhaust duct to a window, proceed to step 5.

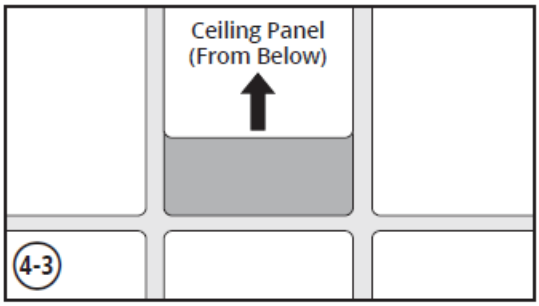
Drop Ceiling Exhaust Connection
Warning: Some ceilings may require modified installation procedures. The user must determine the fitness of hardware and procedures before installing. The procedures described in this manual may not be appropriate for all applications.

- Choose a removable drop ceiling panel near the unit to provide the straightest, shortest path available for the flexible exhaust duct. Measure the width of the ceiling panel, including the portion that rests on the ceiling grid. Combine the two sections of the adjustable exhaust panel, then adjust the exhaust panel to match the width of the ceiling panel. After the exhaust panel is set to the correct width, use the included self-tapping screw to lock it in place.

Note: The exhaust panel can adjust from 20.5 to 49.2 inches (52.1 to 104.1 cm). Certain installations may require trimming the exhaust panel for a proper fit.





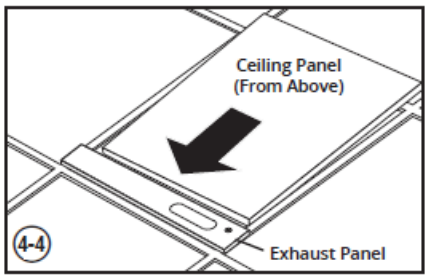


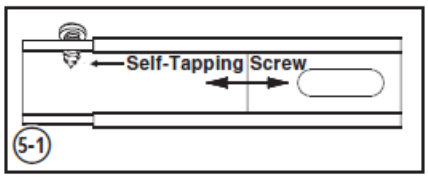
- Insert the exhaust duct adapter into the oblong hole in the adjustable exhaust panel. The adapter will snap into place.
- Slide the ceiling panel out of the way and place the exhaust panel inside the ceiling space. Allow the exhaust panel to rest on top of the ceiling grid.

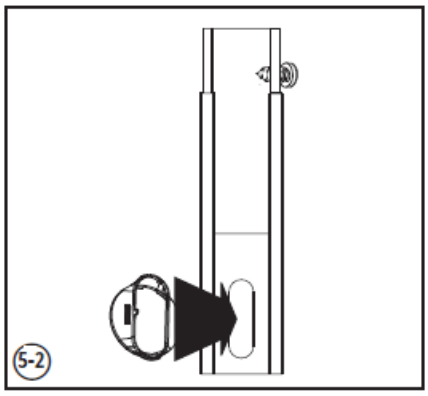
Note: There must be at least 10 inches (25.4 cm) of open space above the exhaust panel to allow adequate airflow.

- the ceiling panel back into place so that it adjoins the exhaust panel and closes any gaps in the ceiling. A tight seal will permit maximum cooling efficiency. If the installation is permanent, trim the ceiling panel so it doesn’t overlap the ceiling grid.

Note: The flexible exhaust duct can extend to a maximum length of 118 inches (300 cm). Provide the straightest, shortest path available. Excessive bending or stretching of the duct will reduce cooling efficiency.
After completing step 4, proceed to step 6.







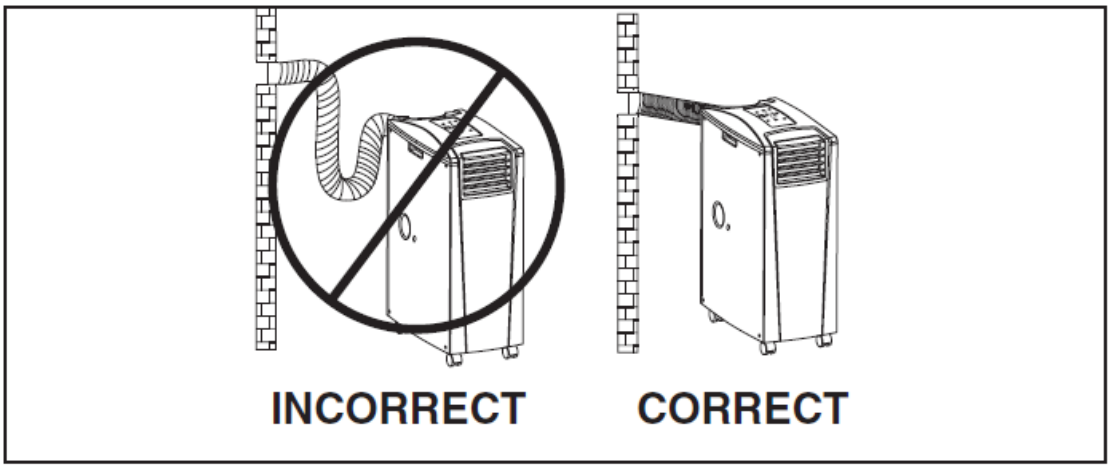
Window Exhaust Connection

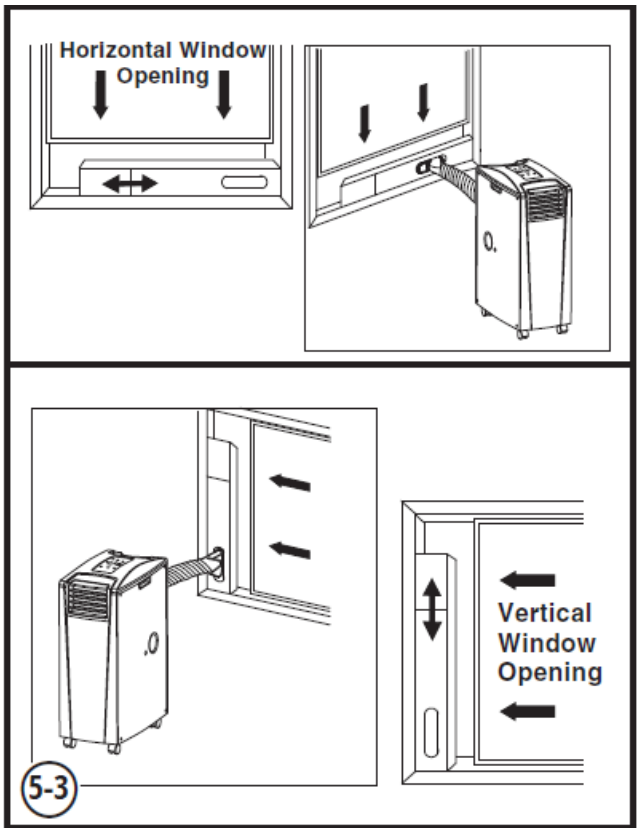
Warning: Some windows may require modified installation procedures. The user must determine the fitness of hardware and procedures before installing. The procedures described in this manual may not be appropriate for all applications.

- Measure the window opening. Combine the two sections of the adjustable exhaust panel, then adjust the exhaust panel to match the width of the window opening. After the exhaust panel is set to the correct width, use the included self-tapping screw to lock it in place.

Note: The exhaust panel can adjust from 20.5 to 49.2 inches (52.1 to 104.1 cm). It is compatible with vertical and horizontal mounting.

- Insert the exhaust duct adapter into the oblong hole in the adjustable exhaust panel. The adapter will snap into place.
- Insert the exhaust panel into the window opening, then close the window against the exhaust panel. A tight seal will permit maximum cooling efficiency. Note: There must be at least 10 inches (25.4 cm) of open space behind the exhaust panel to allow adequate airflow.
  Note: The flexible exhaust duct can extend to a maximum length of 118 inches (300 cm). Provide the straightest, shortest path available. Excessive bending or stretching of the duct will reduce cooling efficiency.

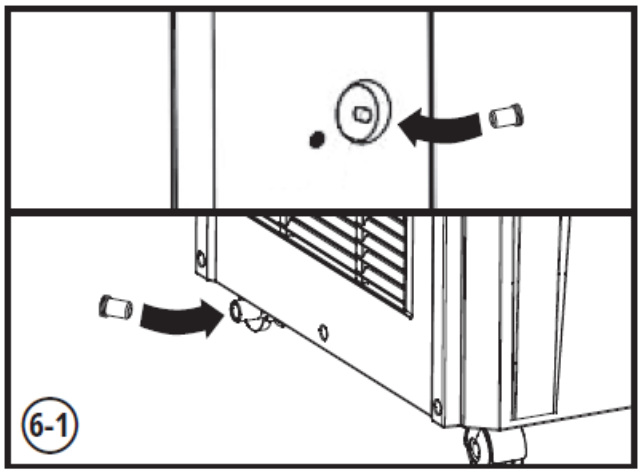


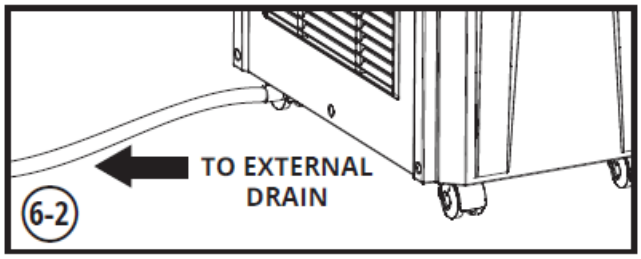


Drainage Plug Insertion

Warning: The unit's built-in re-evaporator will not function until you insert the drainage plug into the drainage outlet.
When the unit cools or dehumidifies, condensation forms. The unit has a built-in re-evaporator that allows it to expel condensation through the warm air exhaust stream. This feature allows the unit to operate indefinitely without requiring you to empty a water collection tank. The unit ships with both the upper and lower drainage plugs installed.

Cooling Mode with Re-Evaporation
Both plugs must remain installed to enable re-evaporation of condensation.





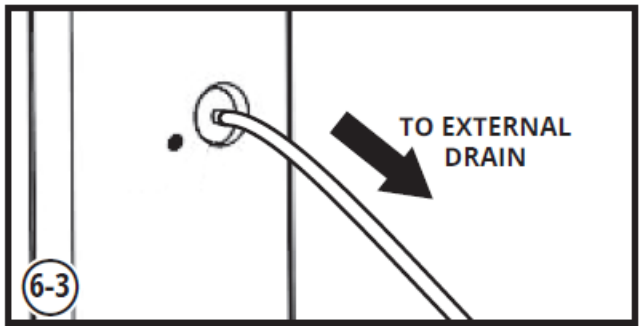
Cooling Mode without Re-Evaporation
To use Cooling mode without re-evaporating condensation, remove the bottom drain plug and route a user-supplied drain line to external drainage. The top drain plug must remain installed.

Dehumidify Mode
When using the unit in Dehumidify mode, remove the top drain plug and route a user-supplied drain line to external drainage. The bottom drain must remain installed.
This will maximize the amount of water removed from the air.

Note: If the drainage system becomes clogged, a small internal reservoir will collect condensation. If the drainage system is not cleared before the internal reservoir fills, the unit will shut down automatically.

Warning: Before connecting the unit to a dedicated drainage system, turn it off and unplug it. There is a risk of electric shock while the unit is plugged in.

Note: If your building's cooling system has night or weekend thermostat setbacks, has periodic shutdowns, or has limited cooling capacity, you may need to consider alternatives to the standard installation. This product is meant to be used as a supplemental cooling device, and cannot make up for significant fluctuations in building temperature or humidity.



Low Temperature Operation
The air conditioner is a high-performance cooler, capable of producing very cold air output. When using the unit in environments that are already cold (68° F / 20° C) or less), Eaton recommends using the Dehumidify mode only.

This will allow the unit to continue to provide the supplemental cooling while preventing any evaporator icing issues caused by the low room temperature.

Operation

Warning: Install the unit according to the instructions in the “Installation” section before attempting to operate it.

Power

Turn the unit on or off by pressing the “POWER” button.
The unit has a three-minute compressor delay in order to prevent potential circuit overloads at start up.

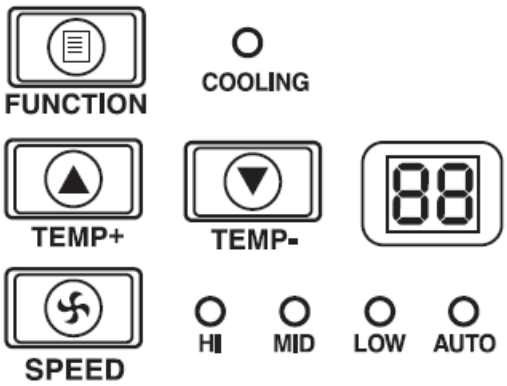
Automatic Restart Feature

The unit will turn on and resume operation automatically when power is restored after a power outage. The unit will use the same settings that it used immediately before the power outage occurred.

Note: If the power outage is brief, the unit will run the fan alone for three minutes before resuming normal operation. The delay allows the compressor to depressurize so the unit will function properly when it enters Cool mode.

Cool Mode

Pressing the “FUNCTION” button cycles between Cool mode and Dehumidify mode. The “COOLING” LED illuminates when Cool mode is active. Press the TEMP+ and TEMP- buttons to set the temperature in Cool mode. The selected temperature is shown on the numeric display. Once set, the desired temperature will blink five times after which the display will show the current room temperature. Press the “FAN SPEED” button to cycle between high, medium and low fan speeds. An LED illuminates to indicate the selected fan speed. When speed is set on AUTO, the unit will automatically select a fan speed based on the set and ambient temperatures. If the ambient temperature is lower than the set temperature, the fan will run and the “COOLING” LED will blink to indicate that the compressor is off. When cooling resumes, the “COOLING” LED will remain illuminated.



Dehumidify Mode

Pressing the “FUNCTION” button cycles between Cool mode and Dehumidify mode. The “DEHUMIDIFY” LED illuminates when Dehumidify mode is active. In Dehumidify mode, the fan runs at a fixed speed and temperature controls are irrelevant. For optimal performance in Dehumidify mode, close windows and doors, remove the top drain plug and route a user-supplied drain line to external drainage.

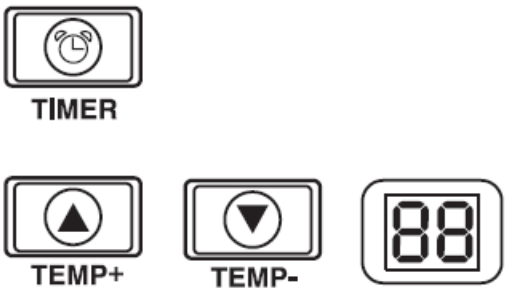
Energy Saving when Compressor Idle under Cooling or Dehumidifying Mode

To conserve energy, when the unit is not remotely connected and the compressor is idle, the upper fan motor

(evaporator) will operate continuously for 1 minute, then remain off for the following 59 minutes. This 1 minute on/59 minutes off cycle will repeat until the compressor starts running again.

Timer

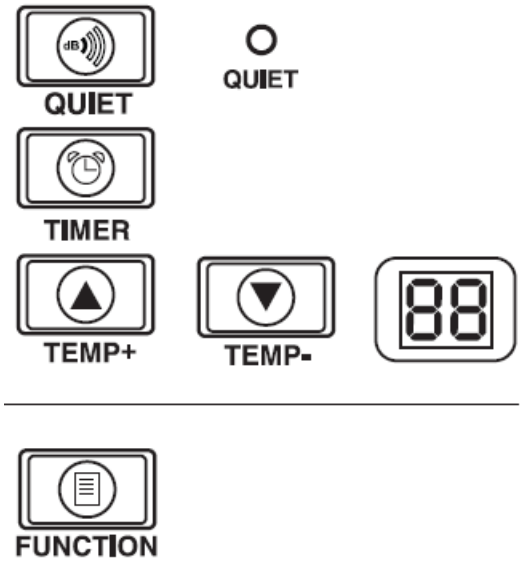
The “TIMER” button allows you to schedule the unit to turn on or off automatically. Timer On (Note: The unit must be off to activate the Timer On function. Confirm that mode, temperature and fan speed settings are correct before activating the Timer On function.) Activate the timer by pressing the “TIMER” button. Press the TEMP+ and TEMP- buttons to set the delay (in hours) before the unit will turn on. The number of hours is shown on the numeric display. The number will flash on the screen five times before returning to the current temperature. Timer Off (Note: The unit must be on to activate the Timer Off function.) Activate the timer by pressing the “TIMER” button. Press the TEMP+ and TEMP- buttons to set the delay (in hours) before the unit will turn off. The number of hours is shown on the numeric display. The number will flash on the screen five times before returning to the current temperature.



Quiet Control Mode

The unit includes a Quiet Control mode which regulates the cooling via the timer and microprocessor to achieve quieter operation levels when noise is an issue.

To activate, press the “QUIET” button. The Quiet LED will turn on. Set the desired temperature and then set the timer to the duration of the Quiet Control mode cycle. During the course of the cycle, the microprocessor memory will adjust the preset temperature by 1.8°F (1°C) after 1 hour to 3.6°F (2°C) after two hours. Once the temperature is reached, the unit will maintain the temperature for the duration of the set time.



Changing Degree Units

The unit can display temperature in both Celsius and Fahrenheit. The default setting for the SRCOOL12KE is Fahrenheit. To toggle between temperature modes, put the unit in standby mode. The air conditioner is in standby mode when it is plugged into live AC power, but powered off. Then, hold the “FUNCTION” key for 10 seconds. To verify the degree units have changed, power on the unit.

Alarm

When the water tank is full, the unit will display the message “E4” on its screen. To resume normal function, turn

the unit off, remove the drainage plug and drain the excess water from the unit. Replace the plug and turn the unit on to begin cooling.

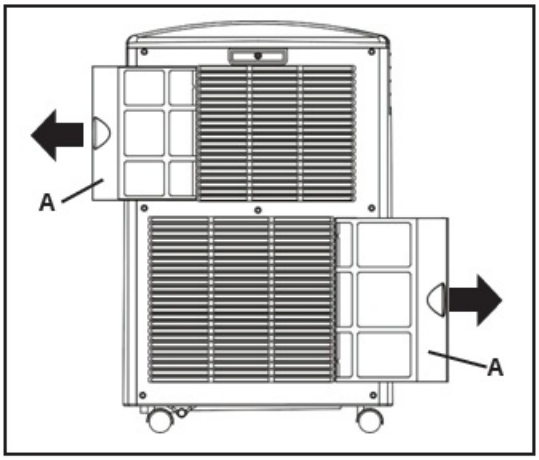
Cleaning and Maintenance

Clean the air conditioner and clean or replace the filters regularly to maximize performance and efficiency, prolong the unit's life, and qualify for warranty if there is a performance issue.

Note: Always unplug the air conditioner from the power outlet before cleaning.

Cleaning the Air Filters
It is important to keep the air filters clean and free of dust. When the filters are dirty or clogged with dust, it decreases cooling efficiency and can threaten air quality. Eaton recommends cleaning the filters at least once every two weeks. If the unit is used in a dusty environment, the filters may need to be cleaned or replaced weekly. Before cleaning the filters, turn the unit off and unplug it! There is a risk of electric shock while the unit is plugged in. Never run the cooling unit without the filter.

1. Turn the unit off and unplug it.
2. Remove the filters A by sliding them out of the cabinet.
3. Use a vacuum cleaner or tap the filter lightly to remove loose dust and dirt.
4. Wash the filters in warm water with a neutral detergent. Do not put the filters into a dishwasher or use harsh detergents or chemicals. Allow the filters to air dry completely after washing. Note: Do not use water hotter than 104° F (40° C) to clean the filters.
5. Replace the filters by sliding them back into their original position.
6. Plug the unit in and resume normal operation.



Cleaning the Cabinet
Before cleaning the cabinet, turn the unit off and unplug it! There is a risk of electric shock while the unit is plugged in.

1. Turn the unit off and unplug it.
2. Use a dry, non-abrasive cloth to wipe the cabinet. If necessary, use lukewarm water to dampen the cloth. Never use abrasive chemicals, volatile substances, gasoline, benzene, thinners, detergents, chemically treated cloths,

or other harsh chemicals or cleaning solvents that may damage the cabinet exterior. Do not pour water directly over the unit or into the working parts. This causes a risk of electrical shock and deterioration of electrical components and wiring insulation.

3. Use a soft bristle brush to clean between the vents.
4. Carefully use a vacuum cleaner to clean the condenser coils.

Troubleshooting

Review the possible solutions below. If the problem persists, please visit **Tripplite.Eaton.com/support** for service.

Problem	Possible Cause	Possible Solution
The unit does not function.	The unit is turned off.	Turn the unit on. (See “Operation” section.)
	The unit is not plugged in.	Plug the unit into a suitable outlet.
	Main power is off.	Check fuses or circuit breaker.
The unit is idle in cooling mode.	The indoor temperature is too low or too high.	Adjust the temperature setting or wait until room temperature iswithin setting range: 63˜86°F (17˜30°C).
Cooling performance is unsatisfactory.	The air exhaust or intake is blocked.	Confirm that all ducts and intakes are clear of obstructions.
	The temperature setting is too high.	Adjust the temperature setting.
	The fan speed setting is too low.	Adjust the fan setting.
	The air filters are dirty.	Clean the air filters.
	The wattage of the rack enclosure, the size of the room or the ambient temperature exceeds the cooling capacity of a single unit.	Install additional units or contact Eaton for additional cooling solutions suitable for your application.
The unit leaks water.	The drainage plug is not installed.	Insert the drainage plug in the drainage outlet. (See “Installation” section.)
The unit generates excessive noise or vibration.	The unit is on an uneven or unstable surface.	Move the unit to a level, stable surface.
The unit has ice or frost buildup.	The unit is operating in an environment with excess humidity.	OPTION 1: Turn off the unit, and let the unit defrost. Once defrosted, ensure the unit is operating with the fan speed set on HIGH. OPTION 2: Turn off the unit, and let the unit defrost. Once defrosted, operate the unit in DEHUMIDIFY MODE, or increase the desired temperature setpoint.

Additional Display Codes

Error Codes

The SRCOOL12KE has the ability to continually monitor itself.

Should an error occur, the display will show one of 4 error codes below:

Error Code	Description
E1	Indoor Temperature Sensor Error
E2	Internal Temperature Sensor Error
E3	Refrigerant Error
E4	Water Full
E5	Evaporator Fan Motor Error
E6	Condenser Fan Motor Error
EC	Internal Communication Error

For error codes E1, E2, E3, E5, E6, and EC follow these steps:

1. Power cycle the unit by unplugging it from the power source for 5 minutes.
2. Plug the unit back in.
3. Restart the unit.

If the error code clears, you can continue operating the unit as normal. If the error code reappears, contact local distributor for further instructions.

- EC: Communication breakdown, there is no signal between the display board and control main board and continues in 5 seconds.
- E5: Upper fan (evaporator) motor breakdown, there is no output signal of upper fan motor found and continues in 10 seconds.
- E6: Lower fan (condenser) motor breakdown, there is no output signal of upper fan motor found and continues in 10 seconds.

When T1 (the return air of evaporator / indoor temperature) is great than 122°F (50°C), the machine will stop operation until T1 return to 118°F (48°C) or below, machine will re-start from previous setting.

Defrost Protection Function (Error Code “dF”)
“dF” will display when the SRCOOL12KE detects a condition in which the coil is operating below 27° F (-3° C) for more than 15 minutes. When the compressor runs continuously for 10 minutes and the indoor coil temperature is detected to be less than or equal to 26°F (-3°C), the compressor and lower fan (condenser) will stop running and the upper fan (evaporator) will run at high speed. If the compressor stops for 3 minutes and the indoor coil temperature is greater than or equal to 37°F (3°C), the compressor will restart, exits the defrost protection and restart from the previous setting.

Optional Accessories

Remote Cooling Management
Add remote cooling management to your SRCOOL12KE with the optional SRCOOLNETLXE module. It allows you full remote access for status monitoring, event notifications and device management on your network.

With the SRCOOLNETLXE installed, you can:

- Change settings and monitor temperature and humidity from any location
- Receive alerts via web browser, SNMP, SSH, Telnet or command line interfaces
- Access detailed condition and event logs

Storage and Service

Storage
Before storing the unit, confirm that the ducts and vents are secured or removed and cared for properly. Also confirm that the unit is drained of condensation.

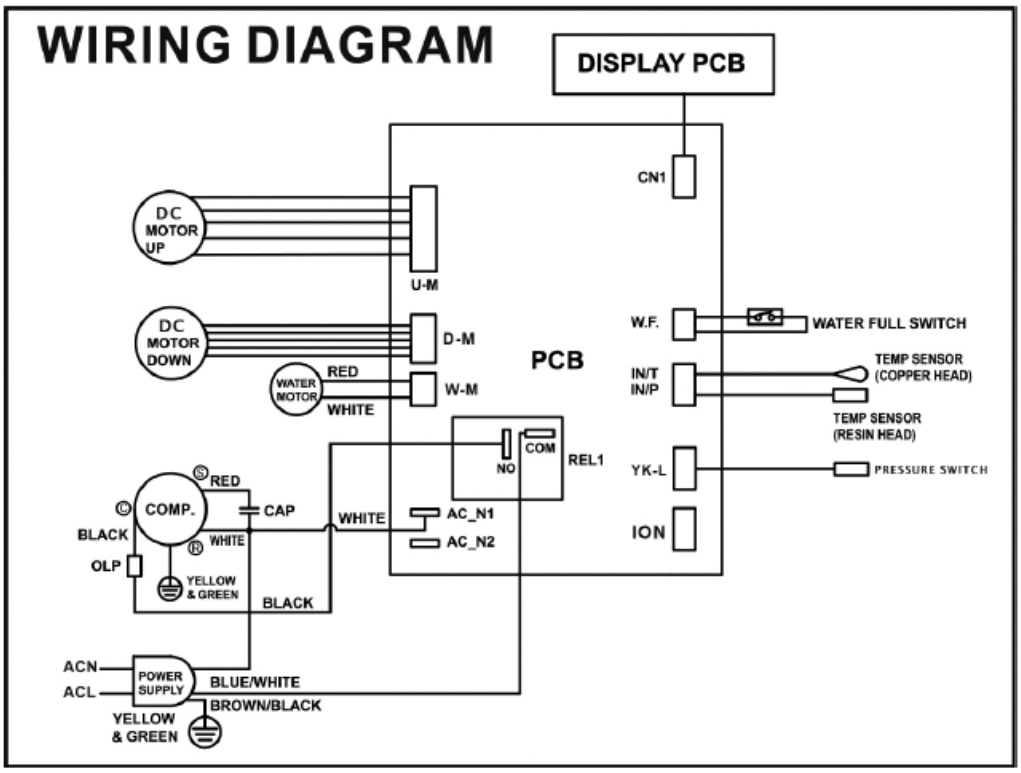
Service
Your product is covered by the warranty described in this manual. A variety of Extended Warranty and On-Site Service Programs are also available. For more information on service, visit **Tripplite.Eaton.com/support**.

Before returning your product for service, follow these steps:

1. Review the installation and operation procedures in this manual to ensure that the service problem does not originate from a misreading of the instructions.
2. If the problem continues, do not contact or return the product to the dealer. Instead, visit **Tripplite.Eaton.com/support**.
3. If the problem requires service, visit **Tripplite.Eaton.com/support/rma-request**. From here you can request a Returned Material Authorization (RMA) number, which is required for service. This simple online form will ask for your unit's model and serial numbers, along with other general purchaser information. The RMA number, along with shipping instructions will be emailed to you. Any damages (direct, indirect, special or consequential) to the product incurred during shipment to Eaton or an authorized service center are not covered under warranty. Products shipped to Eaton or an authorized service center must have transportation charges prepaid. Mark the RMA number on the outside of the package. If the product is within its warranty period, enclose a copy of your sales receipt. Return the product for service using an insured carrier to the address given to you when you request the RMA.

Circuit Diagrams

The following diagram is for reference only. There are no user-serviceable parts inside the unit.



Circuit Diagram

Instructions for Repairing Appliances Containing R32 Refrigerant Instructions for Repairing Appliances Containing R32 Refrigerant

This product is not user-servicable. Only qualified technicians who have properly undergone safety training and certification should handle, install or service HVAC systems using R32 refrigerant.

Work Procedure

Work shall be undertaken under a controlled procedure to minimize the risk of a flammable gas or vapor being present while the work is being performed.

General Work Area

All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided.

Checking For Presence of Refrigerant

The area shall be checked with an appropriate refrigerant detector prior to and during work to ensure the technician is aware of potentially toxic or flammable atmospheres. Ensure the leak detection equipment being used is suitable for use with all applicable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.

Presence of Fire Extinguisher

If any hot work is to be conducted on the refrigerating equipment or any associated parts, appropriate fire extinguishing equipment shall be available on-hand. Have a dry powder or CO2 fire extinguisher adjacent to the charging area.

No Ignition Sources

No person carrying out work in relation to a REFRIGERATING SYSTEM which involves exposing any pipe work shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which refrigerant can possibly be released to the surrounding space. Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. “No Smoking” signs shall be displayed.

Ventilated Area
Ensure the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out. The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.

Decommissioning

Do not discard this product with your trash collection. Contact your local waste disposal service or Eaton for safe disposal options.

Labelling
Equipment shall be labelled stating that it has been de-commissioned and emptied of refrigerant. The label shall be dated and signed. For appliances containing FLAMMABLE REFRIGERANTS, ensure there are labels on the equipment stating the equipment contains FLAMMABLE REFRIGERANT.

Recovery
When removing refrigerant from a system for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely. When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed. Ensure that the correct number of cylinders for holding the total system charge is available. All cylinders to be used are designated for the recovered refrigerant and labelled for that refrigerant (i.e. special cylinders for the recovery of refrigerant). Cylinders shall be complete with pressure-relief valve and associated shut-off valves in good working order. Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs.

The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of all appropriate refrigerants including, when applicable, FLAMMABLE REFRIGERANTS. In addition, a set of calibrated weighing scales shall be available and in good working order. Hoses shall be complete with leak-free disconnect couplings and in good condition. Before using the recovery machine, check that it is in satisfactory working order, has been properly maintained and that any associated electrical components are sealed to prevent ignition in the event of a refrigerant release.

Consult the manufacturer if in doubt. The recovered refrigerant shall be returned to the refrigerant supplier in the correct recovery cylinder, and the relevant waste transfer note arranged. Do not mix refrigerants in recovery units and especially not in cylinders. If compressors or compressor oils are to be removed, ensure they have been evacuated to an acceptable level to make certain that FLAMMABLE REFRIGERANT does not remain within the lubricant. The evacuation process shall be carried out prior to returning the compressor to the suppliers. Only electric heating to the compressor body shall be employed to accelerate this process. When oil is drained from a system, it shall be carried out safely.

Warranty and Product Registration

Warranty
2-YEAR LIMITED WARRANTY (U.S. and Canada)
1-YEAR LIMITED WARRANTY (All other regions)
We warrant our products to be free from defects in materials and workmanship for a period of 2 years (U.S. and Canada) or 1 year (all other regions) from the date of initial purchase. Our obligation under this warranty is limited to repairing or replacing (at its sole option) any such defective products. Visit **Tripplite.Eaton.com/support/product-returns** before sending any equipment back for repair. This warranty does not apply to equipment which has been damaged by accident, negligence or misapplication or has been altered or modified in any way. The following limitations apply to the coverage of this warranty.

This warranty does not cover:

- Labor charges for installation, setup or training to use the product

- Shipping damage, and any damage caused by improper packaging for shipment to an authorized service center and any damaged caused by improper voltage or other misuse, including abnormal service, handling or usage
- Cosmetic damage such as scratches and dents
- Normal wear and tear on parts or replacement of parts designed to be replaced, e.g. filters, cartridges, batteries
- Service trips to deliver, pick-up or repair, install the product or to instruct in proper usage of the product
- Damages or operating problems resulting from misuse, abuse, operation outside environmental specifications, uses contrary to instructions provided in the owner's manual, accidents, acts of God, vermin, fire, flood, improper installation, unauthorized service, maintenance negligence, unauthorized installation or modification or rental or commercial use
- The use of the product in commercial or rental settings
- Optional accessories, attachments and appearance items
- Products that have been modified to perform outside of specifications
- Products that have had their serial numbers removed or defaced
- Products with serial numbers that have been invalidated
- Damage to personal property from use of the product
- Replacement or repair of facility fuses, circuit breakers, wiring or plumbing

Product Registration
Visit **Tripplite.Eaton.com/warranty** today to register your new product. You'll be automatically entered into a drawing for a chance to win a FREE Eaton Tripp Lite series product!*
* No purchase necessary. Void where prohibited. Some restrictions apply. See website for details.

Regulatory Compliance

Regulatory Compliance Identification Numbers
For the purpose of regulatory compliance certifications and identification, your product has been assigned a unique series number. The series number can be found on the product nameplate label, along with all required approval markings and information. When requesting compliance information for this product, always refer to the series number. The series number should not be confused with the marking name or model number of the product.

WEEE Compliance Information for Customers and Recyclers (European Union)
Under the Waste Electrical and Electronic Equipment (WEEE) Directive and implementing regulations, when customers buy new electrical and electronic equipment from Eaton, they are entitled to:

- Send old equipment for recycling on a one-for-one, like-for-like basis (this varies depending on the country)
- Send the new equipment back for recycling when this ultimately becomes waste

Use of this equipment in life support applications where failure of this equipment can reasonably be expected to cause the failure of the life support equipment or to significantly affect its safety or effectiveness is not recommended. Eaton has a policy of continuous improvement. Specifications are subject to change without notice. Photos and illustrations may differ slightly from actual products.

Eaton
1000 Eaton Boulevard

Cleveland, OH 44122
United States
Eaton.com

Publication No. 24-06-235 / 93-4AB6_RevA
August 2024

PRODUCT REGISTRATION
Register your product today for a chance to win an ISOBAR® surge protector in our monthly drawing!
Tripplite.Eaton.com/warranty

FAQ

- **Q: What should I do if I detect damage or missing parts during unpacking?**
  A: If you notice any damage or missing parts, do not operate the unit. Contact Tripplite.Eaton.com for service and support.
- **Q: How do I register my product for warranty?**
  A: To register your product for warranty, visit Tripplite.Eaton.com/warranty and follow the instructions provided on the website.

Documents / Resources

	Tripp Lite SRCOOL12KE Portable Air Conditioning Unit [pdf] Owner's Manual SRCOOL12KE Portable Air Conditioning Unit, SRCOOL12KE, Portable Air Conditioning Unit, Air Conditioning Unit, Conditioning Unit

References

- ENERGY STAR Certified Room Air Conditioners | EPA ENERGY STAR
- User Manual