

# G-Series Cooler

Instruction Manual

G-9/GCG9

G-10f/GCG-10f

G-12f/GCG-12f

Models: Listed on Inside Cover



G-9



GCG-9



G-10f



GCG-10f



G-12f



GCG-12f



G-Series Cooler
Instruction Manual
G-9/GCG-9
G-10f/GCG-10f
G-12f/GCG-12f

G-9/GCG-9

Models:

- G-9B
G-9-N334B
G-9-B334B
G-9-S334B
G-9-Z334B
G-9-P334B
G-9-W334B
G-9-N334B-HC
G-9-S334B-HC
G-9-P334B-HC
G-9-N934B
G-9-B934B
G-9-S934B
G-9-Z934B
G-9-P934B
G-9-W934B
G-9-N934B-HC
G-9-S934B-HC
G-9-P934B-HC
GCG-9B
GCG-9-N334B
GCG-9-B334B
GCG-9-B2334B
GCG-9-2334B
GCG-9-S334B
GCG-9-2S334B
GCG-9-B5334B
GCG-9-Z2334B
GCG-9-Z334B
GCG-9-P334B
GCG-9-W334B
GCG-9-W2334B
GCG-9-A334B
GCG-9-N334B-HC
GCG-9-2334B-HC
GCG-9-S334B-HC
GCG-9-2S334B-HC
GCG-9-P334B-HC
GCG-9-A334B-HC
GCG-9-N934B
GCG-9-B934B
GCG-9-B2934B
GCG-9-2934B
GCG-9-S934B
GCG-9-2S934B
GCG-9-B5934B
GCG-9-Z2934B
GCG-9-Z934B
GCG-9-P934B
GCG-9-W934B
GCG-9-W2934B
GCG-9-A934B
GCG-9-N934B-HC
GCG-9-2934B-HC
GCG-9-S934B-HC
GCG-9-2S934B-HC
GCG-9-P934B-HC
GCG-9-A934B-HC

G-10f/GCG-10f

Models:

- G-10F
G-10-F334B
G-10-FP334B
G-10-F334B-HC
G-10-FP334B-HC
G-10-F934B
G-10-FP934B
G-10-FW934B
G-10-FZ934B
G-10-FS934B
G-10-FB934B
G-10-F934B-HC
G-10-FP934B-HC
G-10-FW934B-HC
G-10-FZ934B-HC
G-10-FS934B-HC
G-10-FB934B-HC
GCG-10F
GCG-10-F334B
GCG-10-F0334B
GCG-10-FP334B
GCG-10-FW334B
GCG-10-FW2334B
GCG-10-FZ334B
GCG-10-FZ2334B
GCG-10-FA334B
GCG-10-FS334B
GCG-10-F2S334B
GCG-10-FB334B
GCG-10-F334B-HC
GCG-10-F2334B-HC
GCG-10-FP334B-HC
GCG-10-FA334B-HC
GCG-10-FS334B-HC
GCG-10-F2S334B-HC
GCG-10-F934B
GCG-10-F2934B
GCG-10-FP934B
GCG-10-FP2934B
GCG-10-FW934B
GCG-10-FW2934B
GCG-10-FZ934B
GCG-10-FZ2934B
GCG-10-FA934B
GCG-10-FA2934B
GCG-10-FS934B
GCG-10-F2S934B
GCG-10-FB934B
GCG-10-F934B-HC
GCG-10-F2934B-HC
GCG-10-FP934B-HC
GCG-10-FP2934B-HC
GCG-10-FW934B-HC
GCG-10-FW2934B-HC
GCG-10-FZ934B-HC
GCG-10-FZ2934B-HC
GCG-10-FA934B-HC
GCG-10-FA2934B-HC
GCG-10-FS934B-HC
GCG-10-F2S934B-HC
GCG-10-FB934B-HC

G-12f/GCG-12f

Models:

- G-12F
G-12-F334B
G-12-FP334B
G-12-F334B-HC
G-12-FP334B-HC
G-12-F934B
G-12-FP934B
G-12-FW934B
G-12-FZ934B
G-12-FS934B
G-12-FB934B
G-12-F934B-HC
G-12-FP934B-HC
G-12-FW934B-HC
G-12-FZ934B-HC
G-12-FS934B-HC
G-12-FB934B-HC
GCG-12F
GCG-12-F334B
GCG-12-F2334B
GCG-12-FP334B
GCG-12-FW334B
GCG-12-FW2334B
GCG-12-FZ334B
GCG-12-FZ2334B
GCG-12-FA334B
GCG-12-FS334B
GCG-12-F2S334B
GCG-12-FB334B
GCG-12-F334B-HC
GCG-12-F2334B-HC
GCG-12-FP334B-HC
GCG-12-FA334B-HC
GCG-12-FS334B-HC
GCG-12-F2S334B-HC
GCG-12-F934B
GCG-12-F2934B
GCG-12-FP934B
GCG-12-FP2934B
GCG-12-FW934B
GCG-12-FW2934B
GCG-12-FZ934B
GCG-12-FZ2934B
GCG-12-FA934B
GCG-12-FA2934B
GCG-12-FS934B
GCG-12-F2S934B
GCG-12-FB934B
GCG-12-F934B-HC
GCG-12-F2934B-HC
GCG-12-FP934B-HC
GCG-12-FP2934B-HC
GCG-12-FW934B-HC
GCG-12-FW2934B-HC
GCG-12-FZ934B-HC
GCG-12-FZ2934B-HC
GCG-12-FA934B-HC
GCG-12-FA2934B-HC
GCG-12-FS934B-HC
GCG-12-F2S934B-HC
GCG-12-FB934B-HC

TABLE OF CONTENTS

Parts & Identification (G-9/GCG-9) ..... 4
Parts & Identification (G-10f/GCG-10f & G-12f/GCG-12f)..... 5
Safety Precautions..... 6
Instructions ..... 7
Ambient Environment..... 7
Preparation Before Operation..... 7
Electrical Requirements ..... 7
Flammable R290 Warnings ..... 8
Leveling..... 8
Shelving Installation..... 8
Interior Light Replacement..... 9
Door LED Lights Replacement..... 9
Setting Up Power Cord Holder ..... 10
Startup, Operation & Temperature Adjustment..... 10
Switch Operation for Lit Door Logo ..... 10
Motion Logo Control..... 10
Maintenance ..... 11
Condenser..... 11
Cleaning..... 11
Door Reversal (G10f/G12f)..... 12-13
Specifications (G-9/GCG-9)..... 14
Specifications (G-10f/GCG-10f)..... 15
Specifications (G-12f/GCG-12f)..... 16
Troubleshooting..... 17
Circuit Diagram (G-9 & GCG-9) ..... 18
Electrical Wiring Diagram (G-9) ..... 19
Electrical Wiring Diagram (GCG-9) ..... 20
Circuit Diagram (G-10f & G-12f) ..... 21
Electrical Wiring Diagram (G-10f & G-12f)..... 22-23
Circuit Diagram (GCG-10f & GCG-12f)..... 24
Electrical Wiring Diagram (GCG-10f & GCG-12f)..... 25-26

For Future Reference

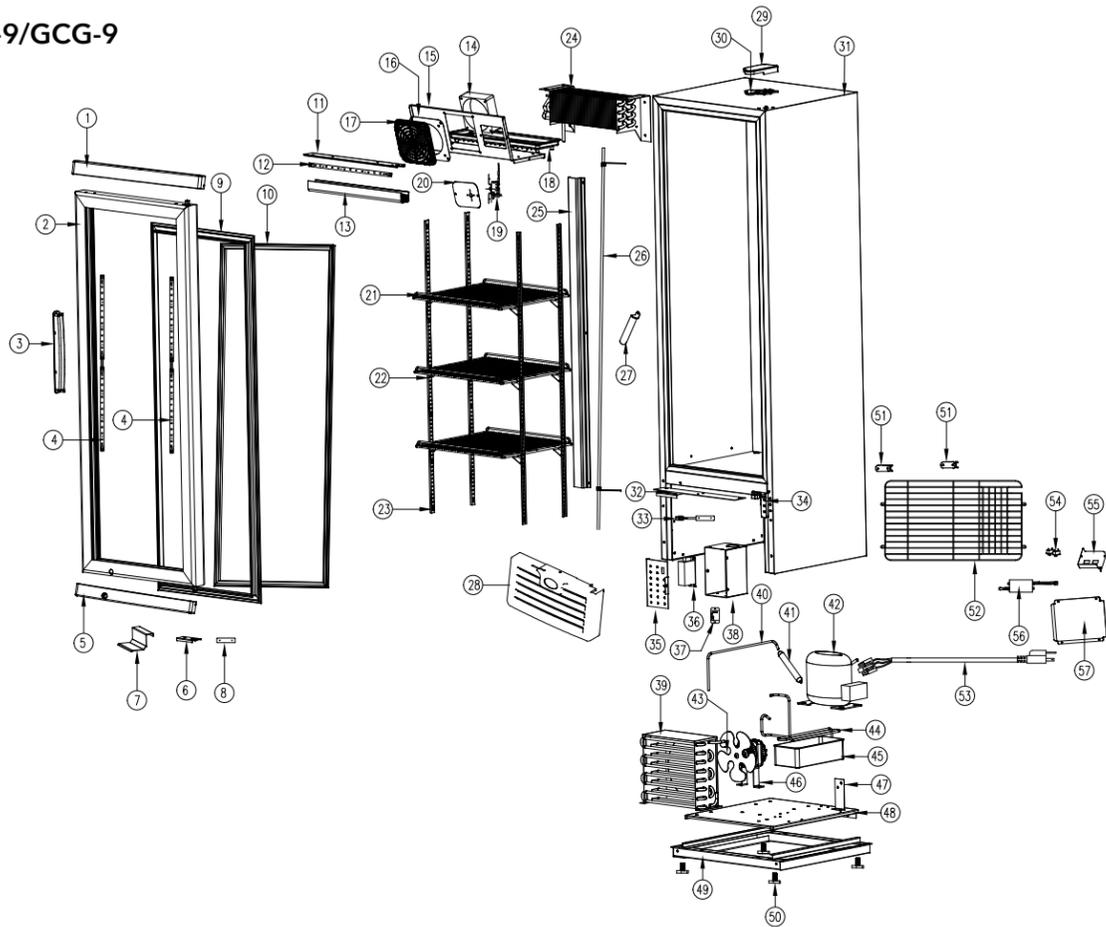
- This easy-to-use manual will guide you in getting the best use of your cooler.
Remember to record the model number and the serial number. This information can be found on the inside of your cooler.
Keep your receipt with this manual for future warranty service.

Model #: \_\_\_\_\_
Serial #: \_\_\_\_\_
Date of Purchase: \_\_\_\_\_



**PARTS & IDENTIFICATION**

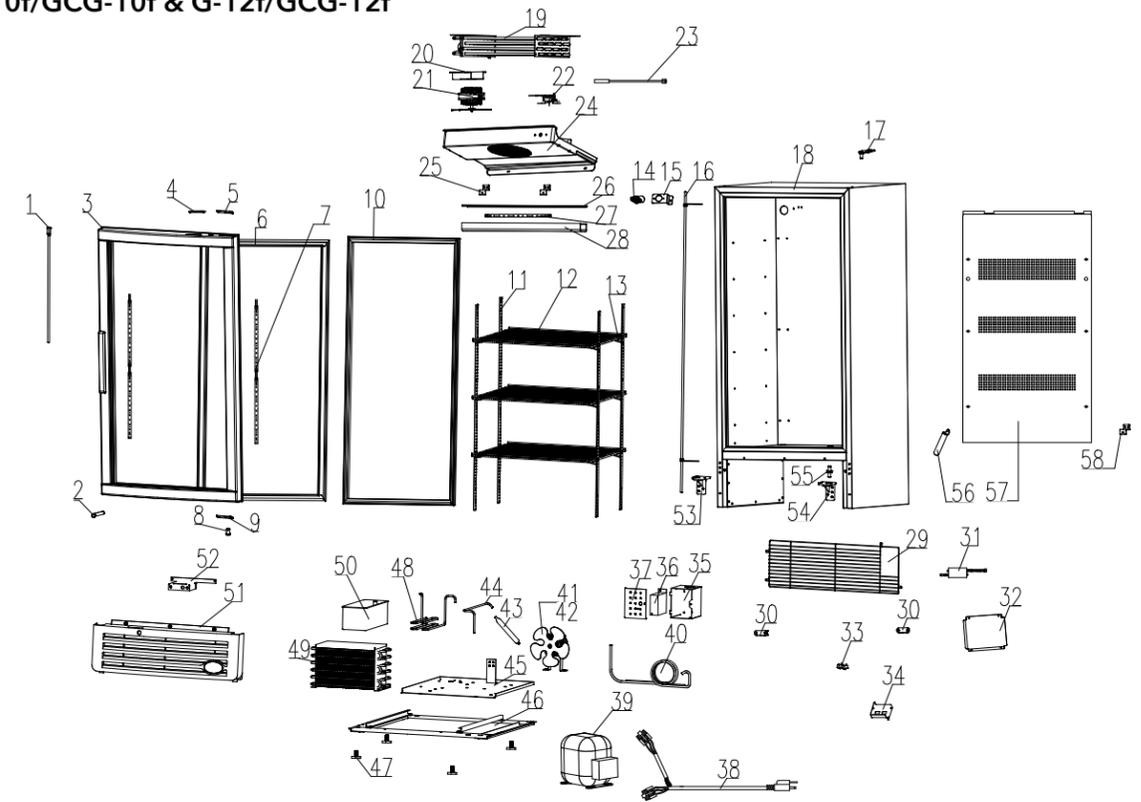
G-9/GCG-9



- |                                |   |                                      |
|--------------------------------|---|--------------------------------------|
| 1. Top Door Trim               | 20. Thermostat Panel                    | 39. Condenser                        |
| 2. Glass Door                  | 21. Shelf (5)                           | 40. Connecting Tube for Dryer Filter |
| 3. Door Handle                 | 22. Shelf Clips (20)                    | 41. Dryer Filter                     |
| 4. LED Light in the Glass Door | 23. Pilaster (4)                        | 42. Compressor                       |
| 5. Lower Door Trim             | 24. Evaporator                          | 43. Condenser Fan                    |
| 6. Door Limiter                | 25. Tubing Cover                        | 44. Connecting Tube for Condenser    |
| 7. Door Support                | 26. Return Pipe                         | 45. Drain Pan                        |
| 8. Door Switch on Glass Door   | 27. Thermometer                         | 46. Fan Support                      |
| 9. LED Light Cover             | 28. Grill                               | 47. Dryer Filter Bracket             |
| 10. Door Gasket                | 29. Top Hinge Cover                     | 48. Upper Baseboard                  |
| 11. Top Lamp Stand             | 30. Top Hinge                           | 49. Lower Baseboard                  |
| 12. LED Light                  | 31. Foam Cabinet                        | 50. Leveling Legs (4)                |
| 13. LED Light Cover            | 32. Bracket for Grill                   | 51. Bumper Block (2)                 |
| 14. Evaporating Fan            | 33. Door Switch on Cabinet              | 52. Compressor Guard                 |
| 15. Control Panel              | 34. Lower Hinge                         | 53. Power Cord                       |
| 16. Fan Baseboard              | 35. Electric Box Cover                  | 54. Light Switch                     |
| 17. Fan Guard                  | 36. Switching Power Supply of LED Light | 55. Bracket for Light Switch         |
| 18. Drip Tray                  | 37. Relay PCB                           | 56. LED Controller                   |
| 19. Thermostat                 | 38. Electric Box                        | 57. Power Supply Cover               |

**PARTS & IDENTIFICATION**

G-10f/GCG-10f & G-12f/GCG-12f



- |                             |                           |                                      |                                      |
|-----------------------------|---------------------------|--------------------------------------|--------------------------------------|
| 1. Auto Closing Sleeve      | 17. Top Hinge             | 33. Light Switch (2)                 | 49. Condenser                        |
| 2. Door Lock                | 18. Foam Cabinet          | 34. Bracket for Light Switch         | 50. Drain Pan                        |
| 3. Glass Door               | 19. Evaporator            | 35. Electric Box                     | 51. Front Grill                      |
| 4. Door Inserts             | 20. Fan Baseboard         | 36. Switching Power Supply           | 52. Reinforced Steel for Front Grill |
| 5. Top Door Limit           | 21. Evaporator Fan        | 37. Electric Box Cover               | 53. Left Bottom Hinge                |
| 6. LED Light Cover          | 22. Thermostat            | 38. Power Cord                       | 54. Right Bottom Hinge               |
| 7. LED Light in Glass Door  | 23. Sensor                | 39. Compressor                       | 55. Bottom Hinge Axle                |
| 8. Bottom Hinge Axle Sleeve | 24. Control Panel         | 40. Connecting Tube for Return Pipe  | 56. Thermometer                      |
| 9. Bottom Door Limit        | 25. Control Panel Bracket | 41. Condenser Fan                    | 57. Plenum                           |
| 10. Door Gasket             | 26. Top Lamp Stand        | 42. Fan Support                      | 58. Plenum Frame (6)                 |
| 11. Pilaster (4)            | 27. LED Light             | 43. Filter Dryer                     |                                      |
| 12. Shelf (4/5)             | 28. LED Light Cover       | 44. Connecting Tube for Filter Dryer |                                      |
| 13. Shelf Clip (16/20)      | 29. Compressor Guard      | 45. Upper Compressor Baseboard       |                                      |
| 14. Drain Pipe              | 30. Bumper Block          | 46. Lower Baseboard                  |                                      |
| 15. Connecting Tube Plate   | 31. LED Controller        | 47. Leveling Leg (4)                 |                                      |
| 16. Return Pipe             | 32. Power Supply Cover    | 48. Connecting Tube for Condenser    |                                      |

\*Spare parts optional

**SAFETY INSTRUCTIONS**

1. When using this appliance, always follow the basic safety precautions:
2. Read the entire User's Manual before operating this appliance.
3. Use this appliance only for its intended purpose as described in this User's Manual.
4. This appliance must be properly installed in accordance with the installation instructions before being used.
5. IDW requires that a dedicated circuit be used for the unit. Failure to do so voids warranty.
6. Never unplug your cooler by pulling on the power cord. Always grasp the plug firmly and pull it straight out from the outlet.
7. Unplug your appliance before cleaning or making any repairs. **Note: If for any reason this product requires service, we strongly recommend that a certified technician perform the service.**
8. When disconnecting the power source, wait at least 5 minutes to reconnect the power to avoid damage to the compressor and the cooling system.
9. Immediately repair or replace all electrical cords that have become frayed or otherwise damaged. Do not use a cord that shows cracks or abrasion damage along its length, the plug or the connector end.
10. Do not operate or store your appliance near or around explosive fumes, gasoline or other flammable vapors and liquids.
11. Do not use flammable liquids to clean unit.
12. Setting the temperature control to the 0 position does not remove power to the light circuit, perimeter heaters, or evaporator fans.
13. Do not adjust the temperature control. The temperature control is factory set for maximum performance.

**PLEASE SAVE THESE INSTRUCTIONS!**

**DANGER!**

**PROPER DISPOSAL OF THE REFRIGERATOR**

**Pre-Caution, Non-Operating Coolers Should Have:**

1. Door removed.
2. Shelves kept in place in order to prevent any small child from climbing inside cooler.

**For Proper Disposal of Cooler:**

Distributors/retailers need to contact a qualified service technician:

1. To recover all refrigerant from the cooler
2. To remove the compressor or remove the oil from the compressor

Then the distributor/retailer can contact their local metal recycling center to pick up the remaining cabinet, shelves, etc. By law, disposal of hazardous wastes may be subject to fines and imprisonment under the provisions of the environmental regulations. For more information please visit: <http://www.epa.gov/osw/hazard/index.htm>

**INSTALLATION**

Installation of the cooler must be done according to applicable local codes or equivalent.

**Ambient Environment**

- Place cooler on an even surface to reduce vibration and noise.
- To transport, do not tilt the cooler beyond a 45 degree angle.
- Do not place cooler in direct sunlight or near any heat sources.
- Do not place cooler in environment temperatures that exceed 80°F.
- Do not place cooler in below normal temperatures.
- Do not place cooler in extreme humid environments, this may cause components to rust.
- Do not place cooler near constant running or splattering water, this may cause immediate damage to refrigeration system.
- Must allow at least 4" between rear of cooler and wall for proper ventilation and heat dissipation of cooler.
- Do not place furniture or other articles with sharp edges near the cooler in order to prevent damage to the glass door.
- This cooler is for indoor use.
- Place unit in it's final location, making certain there is adequate ventilation in the room.

**WARNING:** Warranty is void if ventilation is insufficient.

**Preparation Prior to Operation**

- Remove all packaging materials before using cooler. This includes: foam pedestal, adhesive tape (used to fix accessories) and protective gaskets.
- Inspect cooler for concealed damage. Immediately file a claim with the freight carrier if there is damage. IDW is not responsible for damage incurred during shipping.
- Cooler must remain unplugged in an upright position for 1 hour prior to use.
- Clean the interior surface with a soft cloth and lukewarm water before operation.
- Ensure that drain hose or hoses are positioned in the pan.
- Remove plug and cord from inside the lower rear of the cooler.
- The unit should be placed close enough to the electrical supply so that extension cords are not used.

**Electrical Requirements**

- This model operates with a 110-120V/60Hz power supply. Check the electrical outlet for proper voltage.
- Dedicate one outlet for the use of the cooler.
- Do not use an extension cord or any other multiple connectors as this can lead to compressor failure.
- If the cord is damaged, it must be replaced.
- For your safety, plug the unit into a grounded wall outlet. Please check with a certified electrician for details.

**WARNING:** Do not use extension cords.  
**WARNING:** Compressor warranties are void if compressor burns out due to low voltage.  
**WARNING:** Power cord ground pin must NOT be removed!





**CAUTION FLAMMABLE REFRIGERANT**

- **DANGER - Risk Of Fire Or Explosion.** Flammable Refrigerant Used. To Be Repaired Only By Trained Service Personnel. Do Not Puncture Refrigerant Tubing.
- **CAUTION - Risk Of Fire Or Explosion.** Flammable Refrigerant Used. Consult Repair Manual/Owner's Guide Before Attempting To Install or Service This Product. All Safety Precautions Must be Followed.
- **CAUTION - Risk Of Fire Or Explosion.** Dispose Of Properly In Accordance With Federal Or Local Regulations. Flammable Refrigerant Used.
- **CAUTION - Risk Of Fire Or Explosion** Due To Puncture Of Refrigerant Tubing; Follow Handling Instructions Carefully. Flammable Refrigerant Used.
- **CAREFUL** - Handling, moving and operating of the refrigerator or freezer to avoid either damaging the refrigerant tubing, or increasing the risk of a leak.
- **CAUTION** - Component parts shall be replaced with like components and that servicing shall be done by factory authorized service personnel, so as to minimize the risk of possible ignition due to incorrect parts or improper service.

**LEVELING**

- Set unit in its final location making certain there is adequate ventilation in the room.
- WARNING:** Warranty is void if ventilation is insufficient.
- Proper leveling of the cooler is critical to it operating correctly. Condensation removal and door operation are both affected by leveling.
  - The cooler should be leveled front to back and side to side with a level.
  - Ensure the drain hose or hoses are positioned in the pan.
  - Remove the plug and cord from inside the lower rear of the cooler.
  - The unit should be placed close enough to the electrical supply so that extension cords are never used.

**SHELVING INSTALLATION**



Securely insert shelf clips into pilasters



Shelf clips should be level so shelf lays flat

**G-9/GCG-9**  
(Max load per shelf is 46 lbs)  
**G-10f/GCG-10f & G-12f/GCG-12f**  
(Max load per shelf is 66 lbs)

*Display refrigerators can be loaded with-in the shelf dimensions from the front to back side. They can also be loaded in any space from the bottom to the top interior cabinet. Do not allow product to block the evaporator fan cover because the evaporator fan helps the cooler to ventilate properly.*



**INTERIOR LIGHT REPLACEMENT**

Instructions are as follows:



**1** Press two sides of plastic cover by the fingers and remove it.



**2** Disconnect the lights.



**3** Unscrew all screws using a Phillip's screwdriver.



**4** Remove LED light strand.

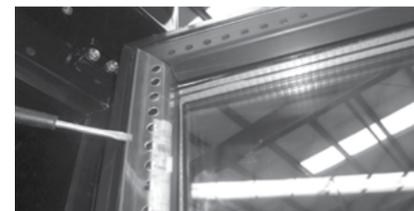


**5** To install LED lights follow the above directions in reverse order.



**DOOR LED LIGHT REPLACEMENT**

**1** Unplug Cooler



**2** Remove plastic cover.



**3** Disconnect top light strand.



**4** Disconnect middle light strand.



**5** Unscrew light strand.



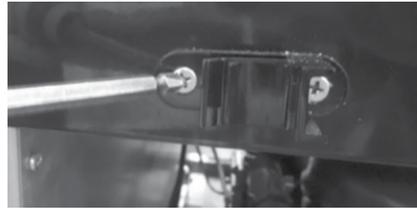
**6** Remove entire light strand.

**NOTE:** If there are any malfunctions with the main control panel of LED lights, please contact a professional for replacement.

**7** To install LED lights follow the above directions in reverse order.

**SETTING UP SPACERS & POWER CORD HOLDERS**

These coolers are supplied with one set (2 pieces) of Spacers to hold the extra length of Power Cord.



**1** Take out the two Spacers and Screws supplied in the Accessory Pack shipped with the Cooler.

**2** Use a Phillips screwdriver to secure the two Spacers onto the rear of the cooler.

**START-UP, OPERATION AND TEMPERATURE ADJUSTMENT**

**Operation**

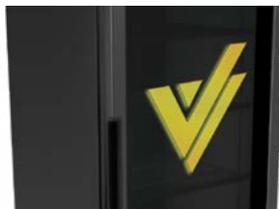
Prior to stocking cooler with product, it should be operated empty for half an hour.

**Temperature Adjustment**



Performance tested position of the thermostat is between 4-6.

**Switch Operation for Lit Door Logo**



For GCG coolers only. The light switch located at the bottom left hand side, on the rear of the cabinet, is the ON/OFF switch for the Lit logo located on the door of cooler.

**Button for Changing Motion Logo Modes**



**Mode 1:** The logo lights are permanently lit and do not sequence.

**Mode 2:** The logo lights sequence showing the bottle emptying and flashing full. This is the default setting.

**Please Note:** When replacing the controller, remove four (4) screws on the rear cover plate to gain access.

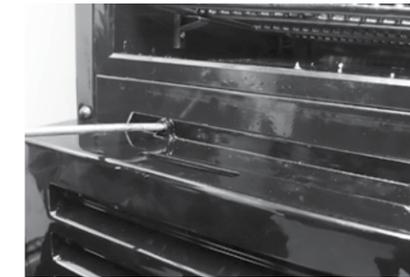
**MAINTENANCE**

**Condenser**

It is essential to keep the condenser coils clean and free of dust and debris at all times. It is required to periodically clean the condenser coils with a soft bristle brush or vacuum-cleaner to properly maintain the refrigeration system. Failure to clean the condenser at regular intervals may cause failure of the refrigeration system and could void the warranty.



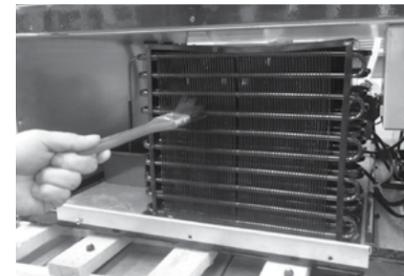
**1** Remove the rubber cap from the front grill.



**2** Using a small Phillips head screwdriver and remove the screws as shown.



**3** The front grill can now be removed by pulling it up.



**4** Using plastic bristle brush, carefully clean the condenser being aware that coils can bend or be damaged if too much force is used.

**5** Replace grill and use the Phillips screwdriver to tighten the screws into place, replace the rubber caps.

**Cleaning**

- Unplug the cooler before cleaning.
- Use a soft cloth or sponge with soap and water (non-corrosive mild detergent), while cleaning. After cleaning, wipe the cooler using a dry cloth to prevent the cooler from rusting.
- Do not spray water on the cooler, and do not use hard or steel brushes to clean the cooler.
- Do not use organic solvents, boiling water, scrubbing powders or acids while cleaning.
- A drain or waste outlet **may** be provided for draining of a display refrigerator. **If** a display refrigerator drain is provided for flushing, it will have a minimum internal diameter of 1" (25mm)

If the cooler will be in a non-operational state for a long period of time, clean as instructed above, and keep the door open until interior is dry.

**DOOR REVERSAL (for G10f & G12f doors only)**

Instructions are as follows:



**1** Remove front grill, disconnect the terminals and then tuck them inside the door's reversed hole.



**2** Remove the right upper hinge and bottom door limit, then remove the door.

**3** Take out the torsion rod from the upper right of the door.



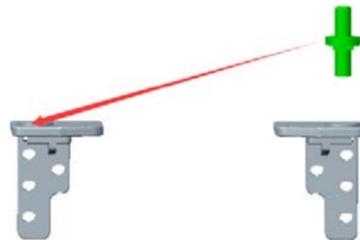
**4** Fish out the wiring from door's reversed hole, the wiring stretches out from the upper right of door.



**5** Insert the torsion rod into corresponding holes on bottom right of the door.



**6** Rotate the door clockwise 180, so the wiring is stretching out from the bottom left of the door.



**7** Remove the hinge axis from the right bottom hinge, insert it into the left bottom hinge.

**DOOR REVERSAL CONT. (for G10f & G12f doors only)**

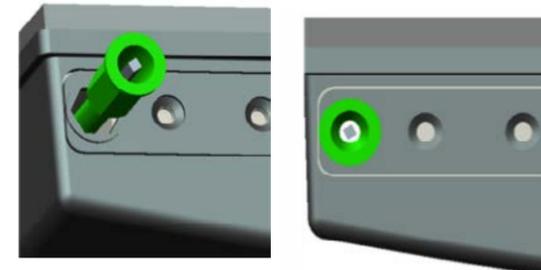
Instructions are as follows:



**8** Remove door limit from right hinge into corresponding holes on left hinge.



**9** Feed the wiring terminals through the hinge and connect the terminals.



**10** Reinstall the torsion rod into the new position of the door axis.



**11** Set the upper hinge into the torsion rod at approximately a 60° angle. Rotate the hinge to the right counter clockwise aligning the holes in the bracket with the holes on top of the cabinet.

**12** Install the limit to the door. Installing sequence:

1. Wave Washer
2. Gasket
3. Limit
4. Bolt



**13** Check to ensure the door is securely attached and functioning properly.



**14** Attach the front grill to complete the door reversal process.

**SPECIFICATIONS (G-9/GCG-9 models)**

MODEL	VOLUME(L)	RATED VOLTAGE	RATED CURRENT	LAMP INPUT POWER	REFRIGERANT				
G-9-N334B G-9-B334B G-9-S334B G-9-Z334B G-9-P334B G-9-W334B G-9-N334B-HC G-9-S334B-HC G-9-P334B-HC	7.2ft <sup>3</sup>	110-120V/60Hz	1.7A	4.5 W	R290/85g				
GCG-9-N334B GCG-9-B334B GCG-9-B2334B GCG-9-2334B GCG-9-S334B GCG-9-2S334B GCG-9-BS334B GCG-9-Z2334B GCG-9-Z334B GCG-9-P334B GCG-9-W334B GCG-9-W2334B GCG-9-N334B-HC GCG-9-2334B-HC GCG-9-S334B-HC GCG-9-2S334B-HC GCG-9-P334B-HC				9 W					
GCG-9-A334B GCG-9-A334B-HC				14.5 W					
G-9-N934B G-9-B934B G-9-S934B G-9-Z934B G-9-P934B G-9-W934B G-9-N934B-HC G-9-S934B-HC G-9-P934B-HC				4.5 W					
GCG-9-N934B GCG-9-B934B GCG-9-B2934B GCG-9-2934B GCG-9-S934B GCG-9-2S934B GCG-9-BS934B GCG-9-Z2934B GCG-9-Z934B GCG-9-P934B GCG-9-W934B GCG-9-W2934B GCG-9-N934B-HC GCG-9-2934B-HC GCG-9-S934B-HC GCG-9-2S934B-HC GCG-9-P934B-HC				9 W					
GCG-9-A934B GCG-9-A934B-HC				14.5 W					
<b>NSF/ASNI-7: Type II Display Refrigerator</b>				A display refrigerator intended for use in an area where the environmental conditions are controlled and maintained so that the ambient temperature does not exceed 80°F (27°C).					



**SPECIFICATIONS (G-10f/GCG-10f models)**

MODEL	VOLUME(L)	RATED VOLTAGE	RATED CURRENT	LAMP INPUT POWER	REFRIGERANT				
G-10-F334B G-10-FP334B G-10-F334B-HC G-10-FP334B-HC	9.3ft <sup>3</sup>	110-120V/60Hz	1.7A	3.5 W	R290/100g				
GCG-10-F334B GCG-10-F2334B GCG-10-FP334B GCG-10-FW334B GCG-10-FW2334B GCG-10-FZ334B GCG-10-FZ2334B GCG-10-FS334B GCG-10-F2S334B GCG-10-FB334B GCG-10-F334B-HC GCG-10-F2334B-HC GCG-10-FP334B-HC GCG-10-FS334B-HC GCG-10-F2S334B-HC				8.5 W					
GCG-10-FA334B GCG-10-FA334B-HC				13.5 W					
G-10-F934B G-10-FP934B G-10-FW934B G-10-FZ934B G-10-FS934B G-10-FB934B G-10-F934B-HC G-10-FP934B-HC G-10-FW934B-HC G-10-FZ934B-HC G-10-FS934B-HC G-10-FB934B-HC				3.5 W					
GCG-10-F934B GCG-10-F2934B GCG-10-FP934B GCG-10-FW934B GCG-10-FW2934B GCG-10-FZ934B GCG-10-FZ2934B GCG-10-FS934B GCG-10-F2S934B GCG-10-FB934B GCG-10-F934B-HC GCG-10-F2934B-HC GCG-10-FP934B-HC GCG-10-FW934B-HC GCG-10-FW2934B-HC GCG-10-FZ934B-HC GCG-10-FZ2934B-HC GCG-10-FS934B-HC GCG-10-F2S934B-HC GCG-10-FB934B-HC				8.5 W					
GCG-10-FA934B GCG-10-FA2934B GCG-10-FA934B-HC GCG-10-FA2934B-HC				13.5 W					
<b>NSF/ASNI-7: Type II Display Refrigerator</b>				A display refrigerator intended for use in an area where the environmental conditions are controlled and maintained so that the ambient temperature does not exceed 80°F (27°C).					

**SPECIFICATIONS (G-12f/GCG-12f models)**

MODEL	VOLUME(L)	RATED VOLTAGE	RATED CURRENT	LAMP INPUT POWER	REFRIGERANT				
G-12-F334B G-12-FP334B G-12-F334B-HC G-12-FP334B-HC	11.4ft <sup>3</sup>	110-120V/60Hz	1.7A	5.5 W	R290/90g				
GCG-12-F334B GCG-12-F2334B GCG-12-FP334B GCG-12-FW334B GCG-12-FW2334B GCG-12-FZ334B GCG-12-FZ2334B GCG-12-FS334B GCG-12-F2S334B GCG-12-FB334B GCG-12-F334B-HC GCG-12-F2334B-HC GCG-12-FP334B-HC GCG-12-FS334B-HC GCG-12-F2S334B-HC				10.5 W					
GCG-12-FA334B GCG-12-FA334B-HC				15.5 W					
G-12-F934B G-12-FP934B G-12-FW934B G-12-FZ934B G-12-FS934B G-12-FB934B G-12-F934B-HC G-12-FP934B-HC G-12-FW934B-HC G-12-FZ934B-HC G-12-FS934B-HC G-12-FB934B-HC				5.5 W					
GCG-12-F934B GCG-12-F2934B GCG-12-FP934B GCG-12-FP2934B GCG-12-FW934B GCG-12-FW2934B GCG-12-FZ934B GCG-12-FZ2934B GCG-12-FS934B GCG-12-F2S934B GCG-12-FB934B GCG-12-F934B-HC GCG-12-F2934B-HC GCG-12-FP934B-HC GCG-12-FP2934B-HC GCG-12-FW934B-HC GCG-12-FW2934B-HC GCG-12-FZ934B-HC GCG-12-FZ2934B-HC GCG-12-FS934B-HC GCG-12-F2S934B-HC GCG-12-FB934B-HC				10.5 W					
GCG-12-FA934B GCG-12-FA2934B GCG-12-FA934B-HC GCG-12-FA2934B-HC				15.5 W					
<b>NSF/ASNI-7: Type II Display Refrigerator</b>				A display refrigerator intended for use in an area where the environmental conditions are controlled and maintained so that the ambient temperature does not exceed 80°F (27°C).					

**TROUBLESHOOTING**

The following are NOT malfunctions:

Situation	Causes
Liquid flowing noise within cooler	<ul style="list-style-type: none"> <li>This is the sound of the cooling agent flowing through the pipes.</li> </ul>
Refrigeration system is shutdown for longer periods of time while temperature inside is still very low	<ul style="list-style-type: none"> <li>This refrigerator is well insulated and can maintain a relatively ambient temperature.</li> </ul>
Condensation on door/lid	<ul style="list-style-type: none"> <li>This may be due to a high indoor humidity or the cooler's temperature is set too low. Wipe the door dry with a towel.</li> </ul>

- 1 This refrigerator has been designed and manufactured according to National standards. If there are any questions during use, refer to this operation manual to help troubleshoot problems.
- 2 When disposing of the cooler, please remove the door/lid and lock assembly to avoid children accidentally becoming trapped inside the cooler.

Prior to calling service, check the following:

Issues	Solutions
Cooler is not working properly	Please check power supply: <ul style="list-style-type: none"> <li>Check the electrical outlet for power, and that the plug is properly inserted.</li> <li>Check to see if the circuit breaker is tripped or the fuse is blown.</li> <li>Check if the condenser is free of dirt and debris.</li> <li>Check for low voltage</li> </ul>
Cooler is not keeping product cool	<ul style="list-style-type: none"> <li>Provide ample space between all products to ensure proper circulation of air.</li> <li>Keep unit away from direct sunlight or other heating source.</li> <li>Keep the door closed as often as possible.</li> <li>Be certain the cooler is not touching external objects or walls.</li> </ul>
Excessive noise	<ul style="list-style-type: none"> <li>Be certain the cooler is placed on a level surface.</li> <li>Be certain the cooler is not touching external objects or walls.</li> </ul>
Compressor turns on and off frequently	<ul style="list-style-type: none"> <li>The room temperature is higher than normal.</li> <li>The door is not closed completely.</li> <li>The door gasket is not sealed properly.</li> <li>There is insufficient clearance around the cooler.</li> <li>The thermostat is not set properly.</li> <li>The frequency of cycling will be reduced when all of the product reaches the set temperature.</li> </ul>

**AFTER SALES SERVICE**

Any product has the possibility of malfunction. Please observe the cooler's operation and any changes to product being stored. If there are any abnormal cases, refer to the table below. If there is still no change after following the below instructions, please inform our service center in a timely manner to avoid a further loss of the unit.

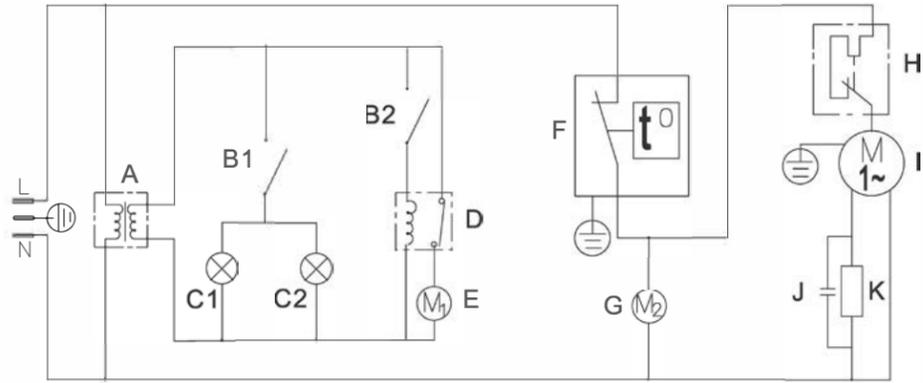
**Information to provide to your qualified service professional:**

- Serial number from the interior wall of the cooler
- Coolers' installation address and contact information
- Installation location hours and operation
- Nature of problem
- Any reports of power interruptions
- Recent service or maintenance completed on the cooler
- Has the cooler been relocated from original installation location
- Clear access to the cooler
- Coolers' instruction manual



**CIRCUIT DIAGRAM (G-9)**

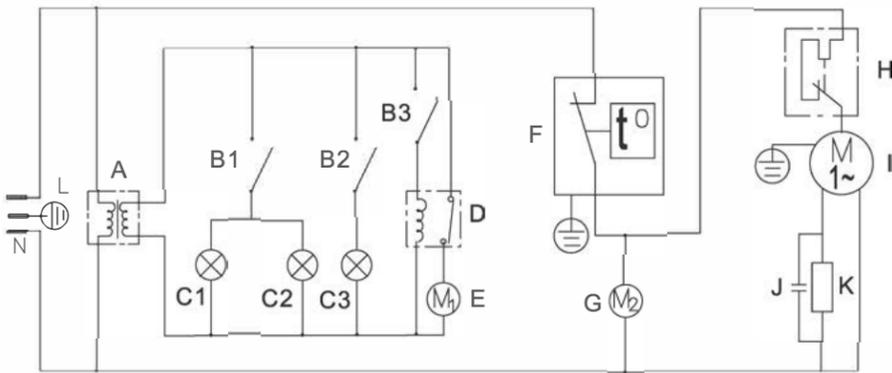
**FOR MODELS:** G-9B, G-9-N334B, G-9-B334B, G-9-S334B, G-9-Z334B, G-9-P334B, G-9-W334B, G-9-N334B-HC, G-9-S334B-HC, G-9-P334B-HC, G-9-N934B, G-9-B934B, G-9-S934B, G-9-Z934B, G-9-P934B, G-9-W934B, G-9-N934B-HC, G-9-S934B-HC, G-9-P934B-HC, G-9-W934B-HC



- A: Power Supply for LED Lights & Evaporator Fan&Relay
- B1: On/Off Switch for interior light
- B2: Magnetic Door Sensor
- C1: Interior Top LED Light
- C2: Door Side LED Light
- D: Relay for Evaporator Fan E: Evaporator Fan
- F: Thermostat
- G: Condenser Fan
- H: Overload for Compressor
- I: Compressor
- J: Compressor Running Capacitor
- K: Compressor PTC

**CIRCUIT DIAGRAM (GCG-9)**

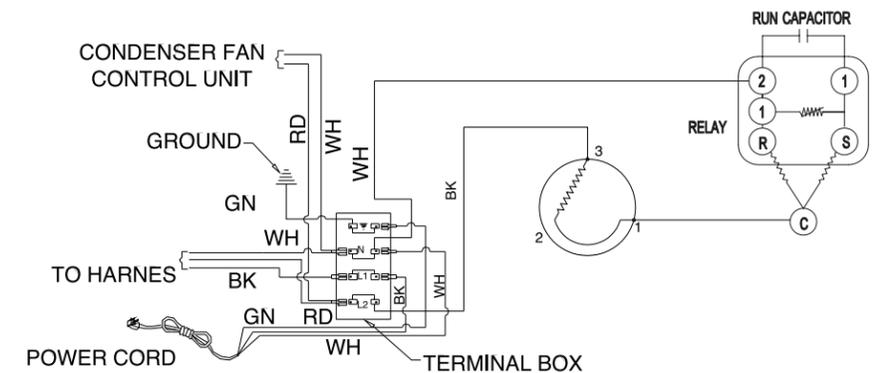
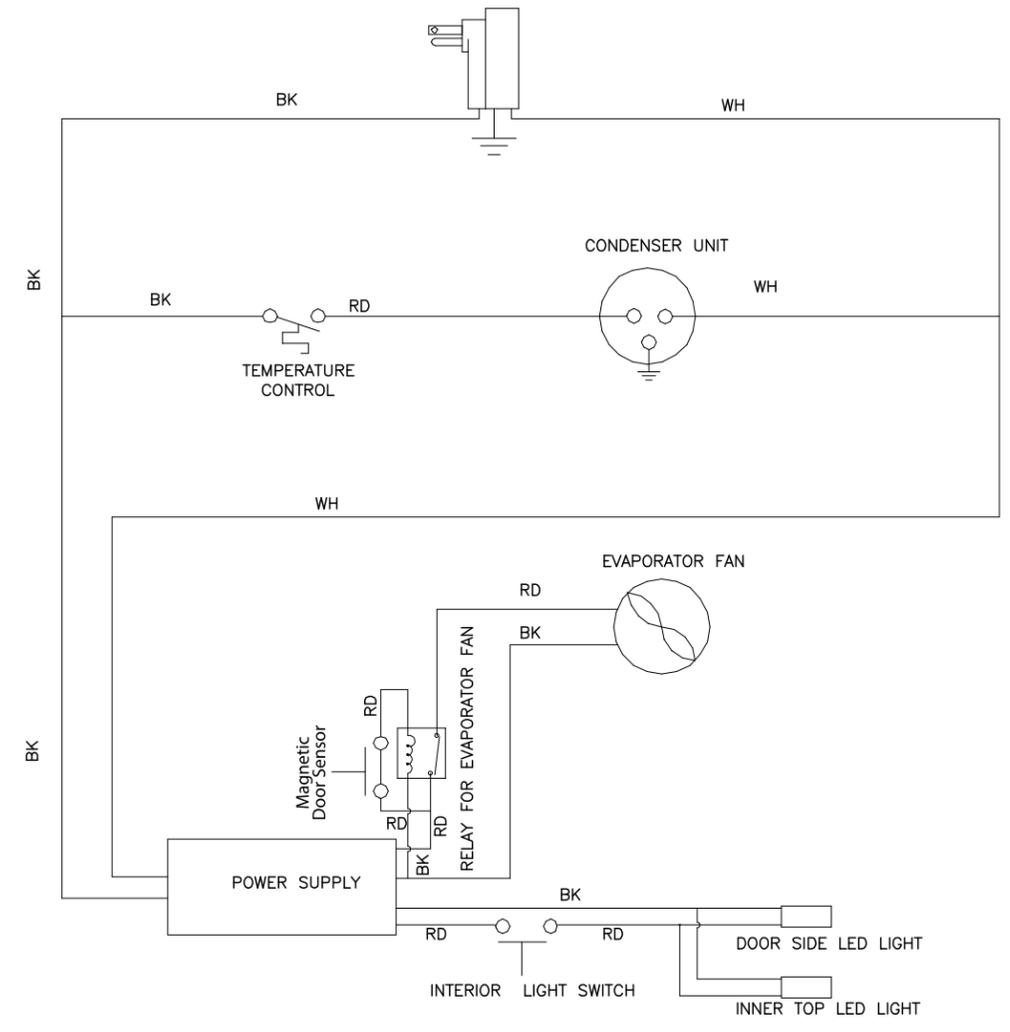
**FOR MODELS:** GCG-9B, GCG-9-N334B, GCG-9-B334B, GCG-9-B2334B, GCG-9-2334B, GCG-9-S334B, GCG-9-2S334B, GCG-9-B5334B, GCG-9-Z2334B, GCG-9-Z334B, GCG-9-P334B, GCG-9-W334B, GCG-9-W2334B, GCG-9-A334B, GCG-9-N334B-HC, GCG-9-2334B-HC, GCG-9-S334B-HC, GCG-9-2S334B-HC, GCG-9-P334B-HC, GCG-9-A334B-HC, GCG-9-N934B, GCG-9-B934B, GCG-9-B2934B, GCG-9-2934B, GCG-9-S934B, GCG-9-2S934B, GCG-9-B5934B, GCG-9-Z2934B, GCG-9-Z934B, GCG-9-P934B, GCG-9-W934B, GCG-9-W2934B, GCG-9-A934B, GCG-9-N934B-HC, GCG-9-2934B-HC, GCG-9-S934B-HC, GCG-9-2S934B-HC, GCG-9-P934B-HC, GCG-9-A934B-HC



- A: Power Supply for LED Lights & Evaporator Fan&Relay
- B1: On/Off Switch for interior light
- B2: On/Off Switch for Lit Door Logo Light
- B3: Magnetic Door Sensor
- C1: Interior Top LED Light
- C2: Door Side LED Light
- C3: Door Logo LED Light
- D: Relay for Evaporator Fan
- E: Evaporator Fan
- F: Thermostat
- G: Condenser Fan
- H: Overload for Compressor
- I: Compressor
- J: Compressor Running Capacitor
- K: Compressor PTC

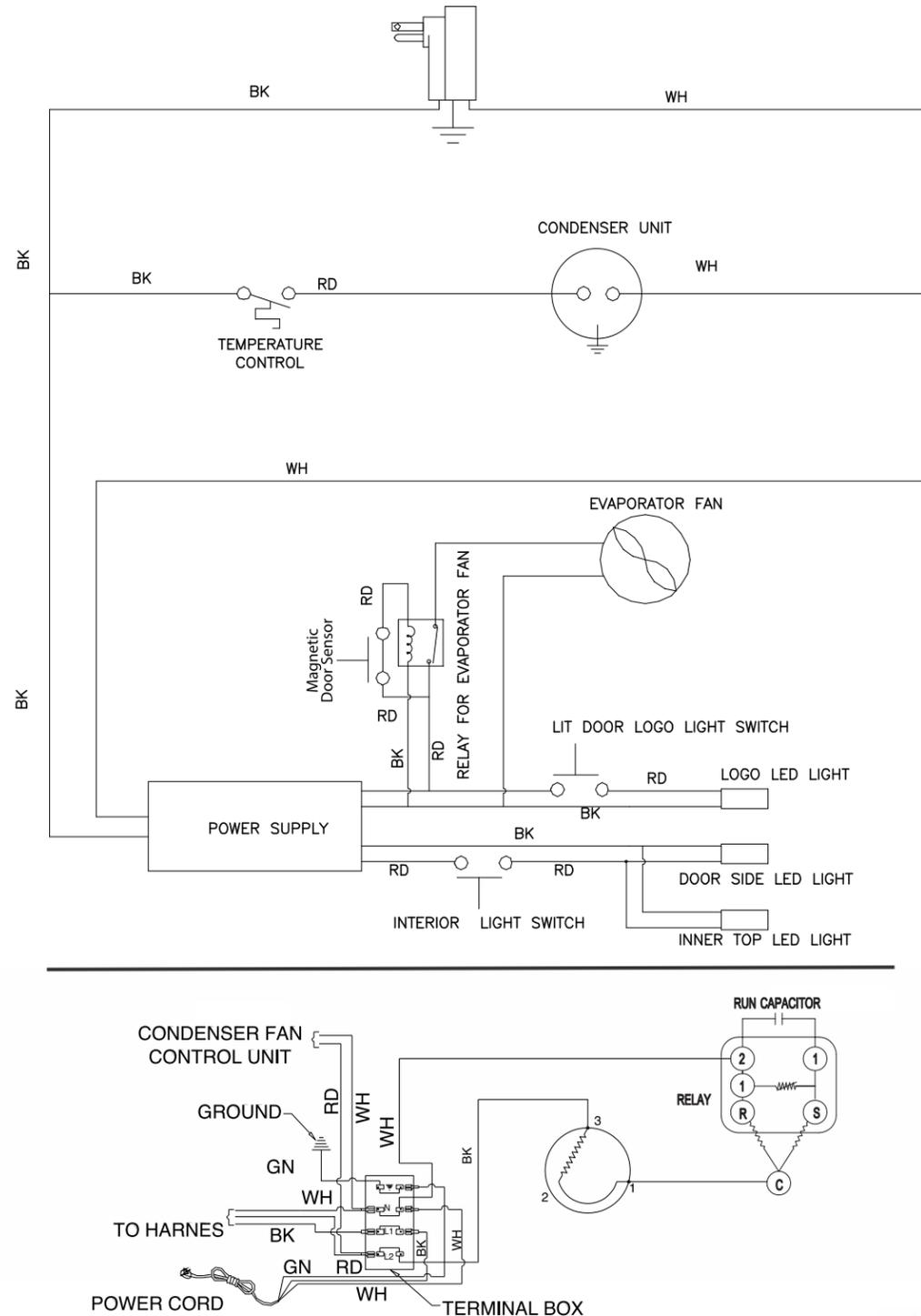
**ELECTRICAL WIRING DIAGRAM (G-9)**

**FOR MODELS:** G-9B, G-9-N334B, G-9-B334B, G-9-S334B, G-9-Z334B, G-9-P334B, G-9-W334B, G-9-N334B-HC, G-9-S334B-HC, G-9-P334B-HC, G-9-N934B, G-9-B934B, G-9-S934B, G-9-Z934B, G-9-P934B, G-9-W934B, G-9-N934B-HC, G-9-S934B-HC, G-9-P934B-HC, G-9-W934B-HC



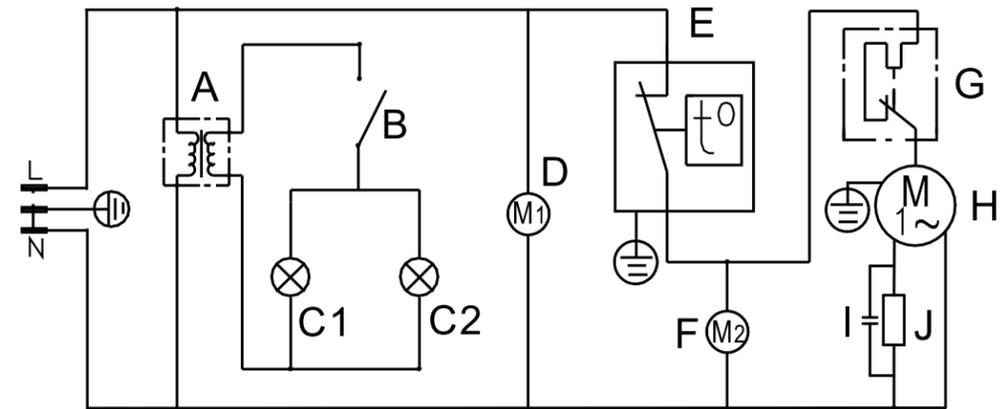
**ELECTRICAL WIRING DIAGRAM (GCG-9)**

**FOR MODELS:** GCG-9B, GCG-9-N334B, GCG-9-B334B, GCG-9-B2334B, GCG-9-2334B, GCG-9-S334B, GCG-9-2S334B, GCG-9-B5334B, GCG-9-Z2334B, GCG-9-Z334B, GCG-9-P334B, GCG-9-W334B, GCG-9-W2334B, GCG-9-A334B, GCG-9-N334B-HC, GCG-9-2334B-HC, GCG-9-S334B-HC, GCG-9-2S334B-HC, GCG-9-P334B-HC, GCG-9-A334B-HC, GCG-9-N934B, GCG-9-B934B, GCG-9-B2934B, GCG-9-2934B, GCG-9-S934B, GCG-9-2S934B, GCG-9-B5934B, GCG-9-Z2934B, GCG-9-Z934B, GCG-9-P934B, GCG-9-W934B, GCG-9-W2934B, GCG-9-A934B, GCG-9-N934B-HC, GCG-9-2934B-HC, GCG-9-S934B-HC, GCG-9-2S934B-HC, GCG-9-P934B-HC, GCG-9-A934B-HC



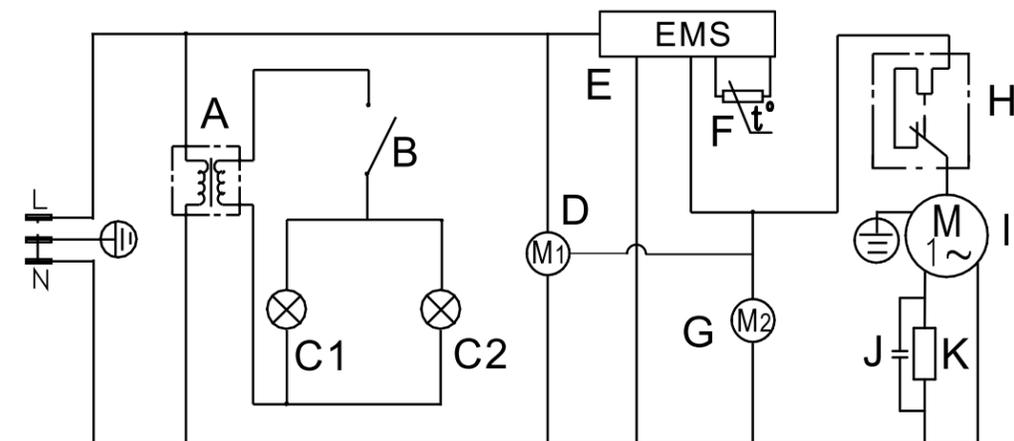
**CIRCUIT DIAGRAM (G-10F & G-12F)**

**FOR MODELS:** G-10-F334B, G-10-FP334B, G-10-F334B-HC, G-10-FP334B-HC, G-12-F334B, G-12-FP334B, G-12-F334B-HC, G-12-FP334B-HC



- A: Power Supply for LED Lights
- B: On/Off Switch for Interior Light
- C1: Interior Top LED Light
- C2: Door Side LED Light
- D: Evaporator Fan
- E: Thermostat
- F: Condenser Fan
- G: Overload for Compressor
- H: Compressor
- I: Compressor Running Capacitor
- J: Compressor PTC

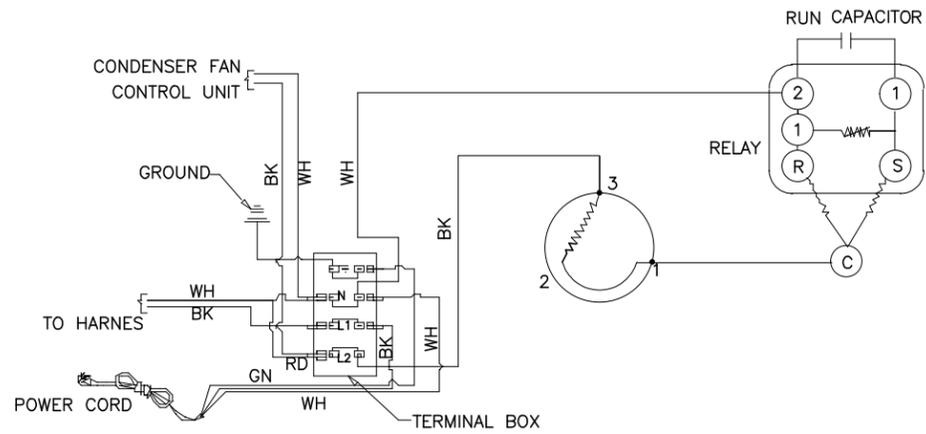
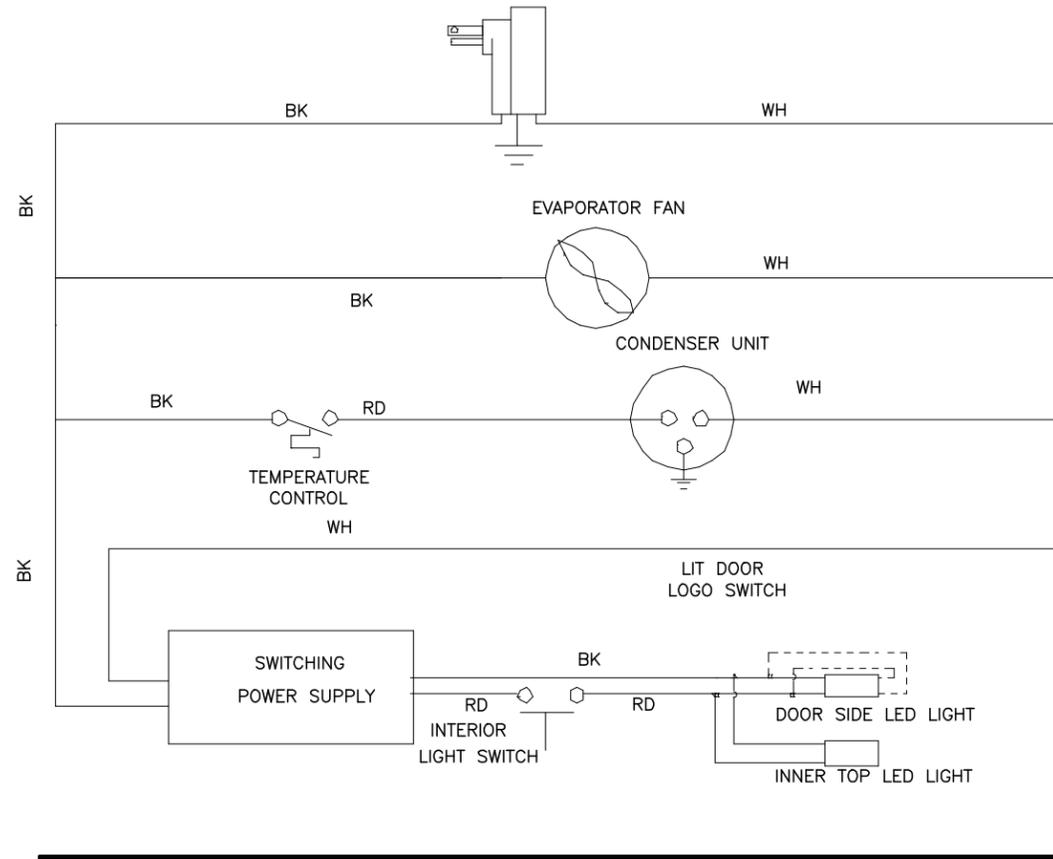
**FOR MODELS:** G-10-F934B, G-10-FP934B, G-10-FW934B, G-10-FZ934B, G-10-FS934B, G-10-FB934B, G-10-F934B-HC, G-10-FP934B-HC, G-10-FW934B-HC, G-10-FZ934B-HC, G-10-FS934B-HC, G-10-FB934B-HC, G-12-F934B, G-12-FP934B, G-12-FW934B, G-12-FZ934B, G-12-FS934B, G-12-FB934B, G-12-F934B-HC, G-12-FP934B-HC, G-12-FW934B-HC, G-12-FZ934B-HC, G-12-FS934B-HC, G-12-FB934B-HC



- A: Power Supply for LED Lights
- B: On/Off Switch for Interior Light
- C1: Interior Top LED Light
- C2: Door Side LED Light
- D: Evaporator Fan
- E: Thermostat
- F: Sensor
- G: Condenser Fan
- H: Overload for Compressor
- I: Compressor
- J: Compressor Running Capacitor
- K: Compressor PTC

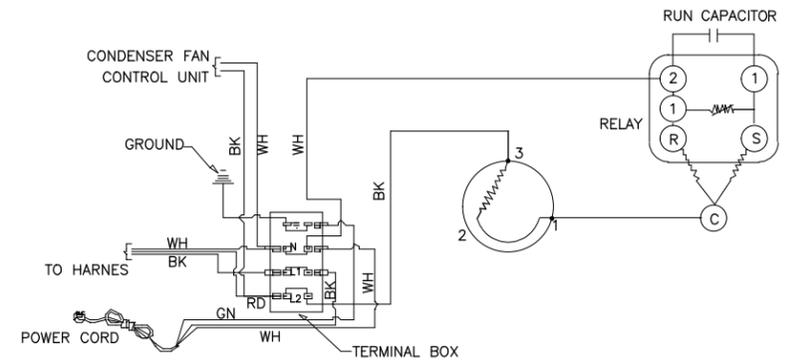
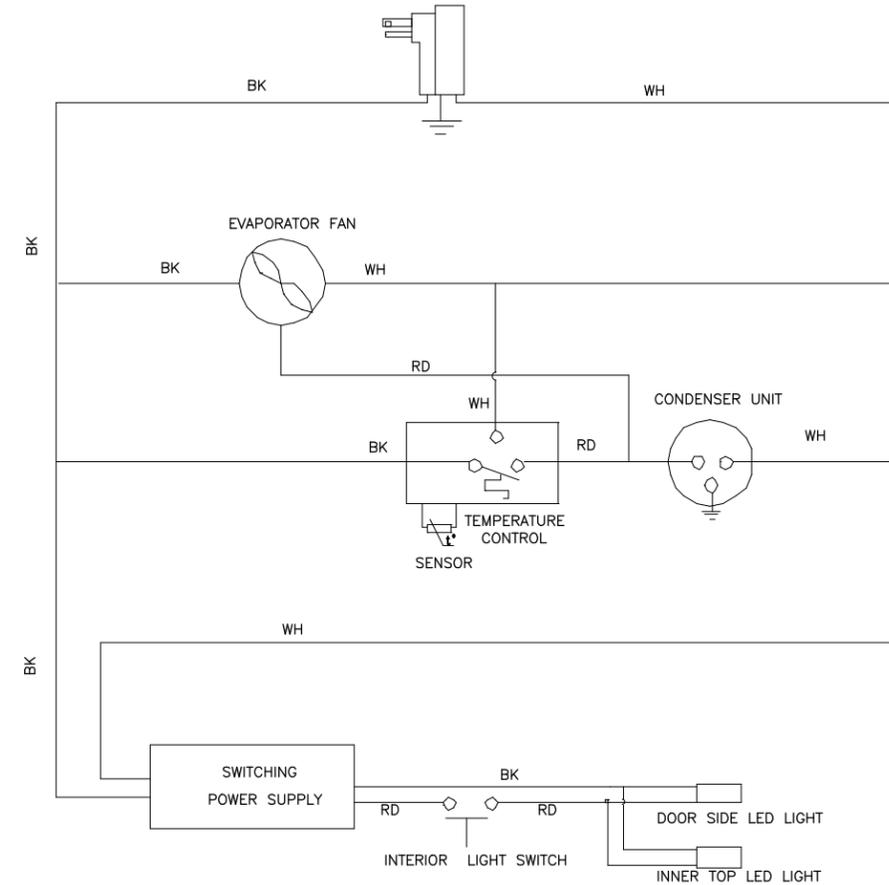
**ELECTRICAL WIRING DIAGRAM (G-10F & G-12F)**

**FOR MODELS:** G-10-F334B, G-10-FP334B, G-10-F334B-HC, G-10-FP334B-HC, G-12-F334B, G-12-FP334B, G-12-F334B-HC, G-12-FP334B-HC



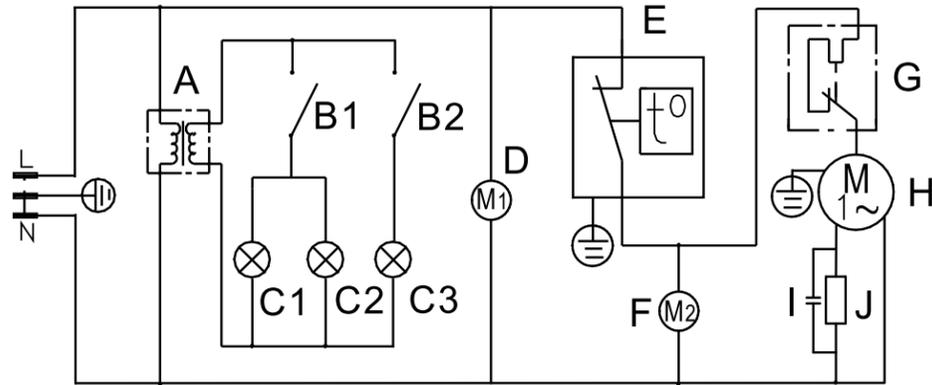
**ELECTRICAL WIRING DIAGRAM (G-10F & G-12F)**

**FOR MODELS:** G-10-F934B, G-10-FP934B, G-10-FW934B, G-10-FZ934B, G-10-FS934B, G-10-FB934B, G-10-F934B-HC, G-10-FP934B-HC, G-10-FW934B-HC, G-10-FZ934B-HC, G-10-FS934B-HC, G-10-FB934B-HC, G-12-F934B, G-12-FP934B, G-12-FW934B, G-12-FZ934B, G-12-FS934B, G-12-FB934B, G-12-F934B-HC, G-12-FP934B-HC, G-12-FW934B-HC, G-12-FZ934B-HC, G-12-FS934B-HC, G-12-FB934B-HC



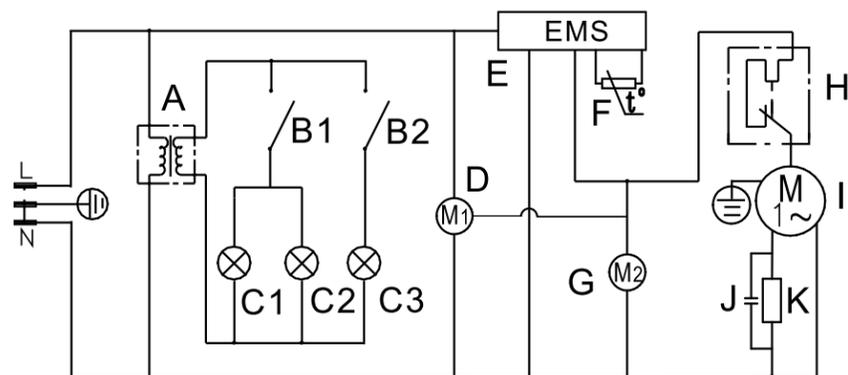
**CIRCUIT DIAGRAM (GCG-10F & GCG-12F)**

**FOR MODELS:** GCG-10-F334B, GCG-10-F0334B, GCG-10-FP334B, GCG-10-FW334B, GCG-10-FW2334B, GCG-10-FZ334B, GCG-10-FZ2334B, GCG-10-FA334B, GCG-10-FS334B, GCG-10-F2S334B, GCG-10-FB334B, GCG-10-F334B-HC, GCG-10-F2334B-HC, GCG-10-FP334B-HC, GCG-10-FA334B-HC, GCG-10-FS334B-HC, GCG-10-F2S334B-HC, GCG-12-F334B, GCG-12-F2334B, GCG-12-FP334B, GCG-12-FW334B, GCG-12-FW2334B, GCG-12-FZ334B, GCG-12-FZ2334B, GCG-12-FA334B, GCG-12-FS334B, GCG-12-F2S334B, GCG-12-FB334B, GCG-12-F334B-HC, GCG-12-F2334B-HC, GCG-12-FP334B-HC, GCG-12-FA334B-HC, GCG-12-FS334B-HC, GCG-12-F2S334B-HC



- A: Power Supply for LED Lights
- B1: On/Off Switch for Interior Light
- B2: On/Off Switch for Lit Door Logo Light
- C1: Interior Top LED Light
- C2: Door Side LED Light
- C3: Door LED Logo Light
- D: Evaporator Fan
- E: Thermostat
- F: Condenser Fan
- G: Overload for Compressor
- H: Compressor
- I: Compressor Running Capacitor
- J: Compressor PTC

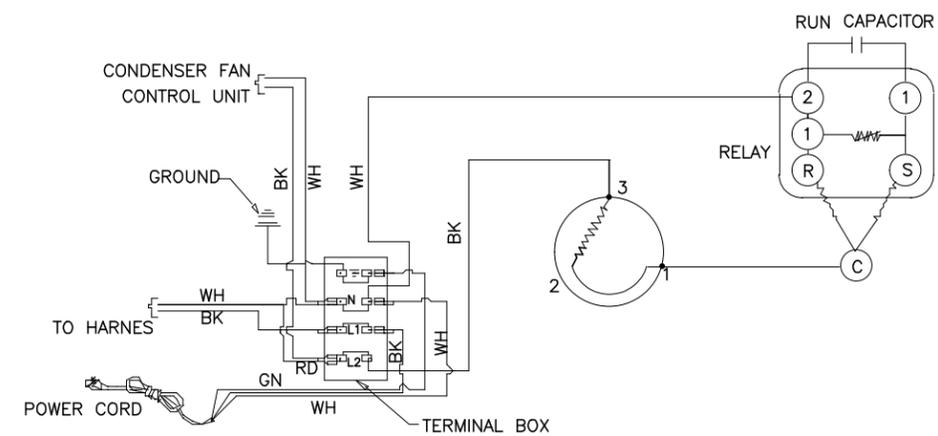
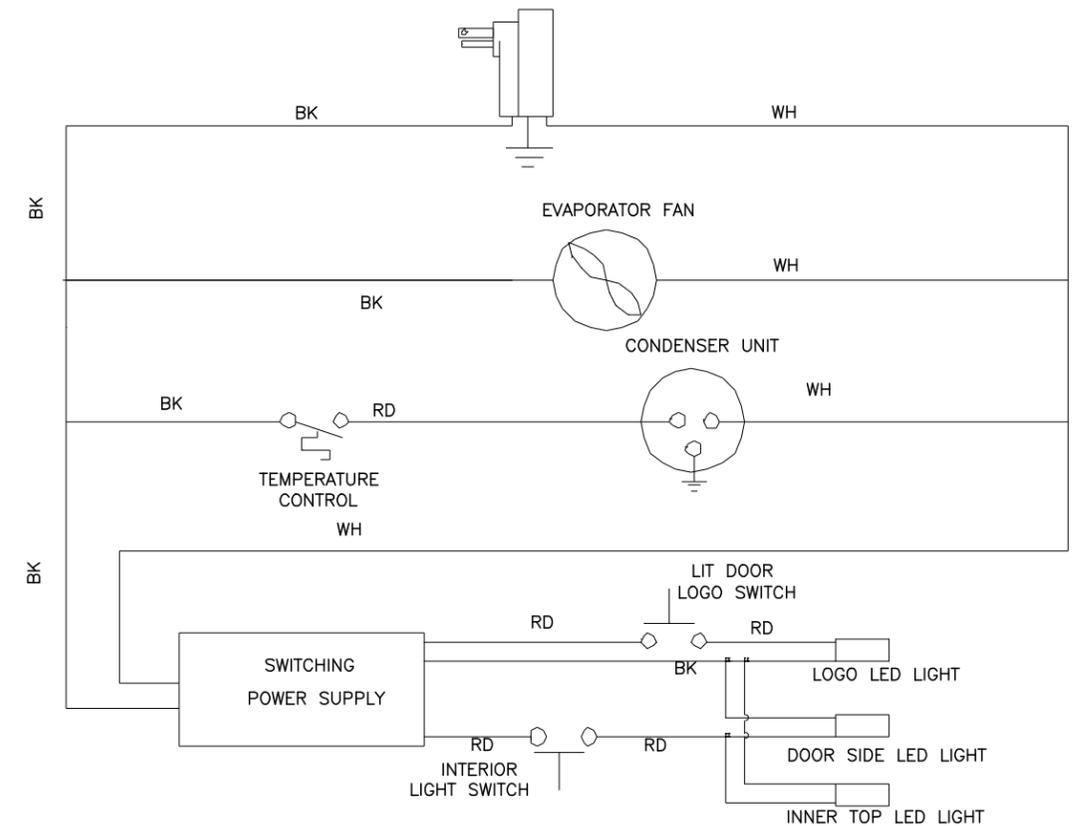
**FOR MODELS:** GCG-10-F934B, GCG-10-F2934B, GCG-10-FP934B, GCG-10-FP2934B, GCG-10-FW934B, GCG-10-FW2934B, GCG-10-FZ934B, GCG-10-FZ2934B, GCG-10-FA934B, GCG-10-FA2934B, GCG-10-FS934B, GCG-10-F2S934B, GCG-10-FB934B, GCG-10-F934B-HC, GCG-10-F2934B-HC, GCG-10-FP934B-HC, GCG-10-FP2934B-HC, GCG-10-FW934B-HC, GCG-10-FW2934B-HC, GCG-10-FZ934B-HC, GCG-10-FA934B-HC, GCG-10-FA2934B-HC, GCG-10-FS934B-HC, GCG-10-F2S934B-HC, GCG-10-FB934B-HC, GCG-12-F934B, GCG-12-F2934B, GCG-12-FP934B, GCG-12-FP2934B, GCG-12-FW934B, GCG-12-FW2934B, GCG-12-FZ934B, GCG-12-FZ2934B, GCG-12-FA934B, GCG-12-FA2934B, GCG-12-FS934B, GCG-12-F2S934B, GCG-12-FB934B, GCG-12-F934B-HC, GCG-12-F2934B-HC, GCG-12-FP934B-HC, GCG-12-FP2934B-HC, GCG-12-FW934B-HC, GCG-12-FW2934B-HC, GCG-12-FZ934B-HC, GCG-12-FZ2934B-HC, GCG-12-FA934B-HC, GCG-12-FA2934B-HC, GCG-12-FS934B-HC, GCG-12-F2S934B-HC, GCG-12-FB934B-HC



- A: Power Supply for LED Lights
- B1: On/Off Switch for Interior Light
- B2: On/Off Switch for Lit Door Logo Light
- C1: Interior Top LED Light
- C2: Door Side LED Light
- C3: Door LED Logo Light
- D: Evaporator Fan
- E: Thermostat
- F: Sensor
- G: Condenser Fan
- H: Overload for Compressor
- I: Compressor
- J: Compressor Running Capacitor
- K: Compressor PTC

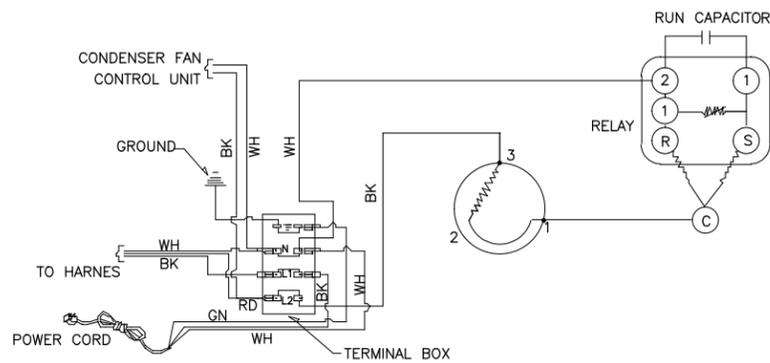
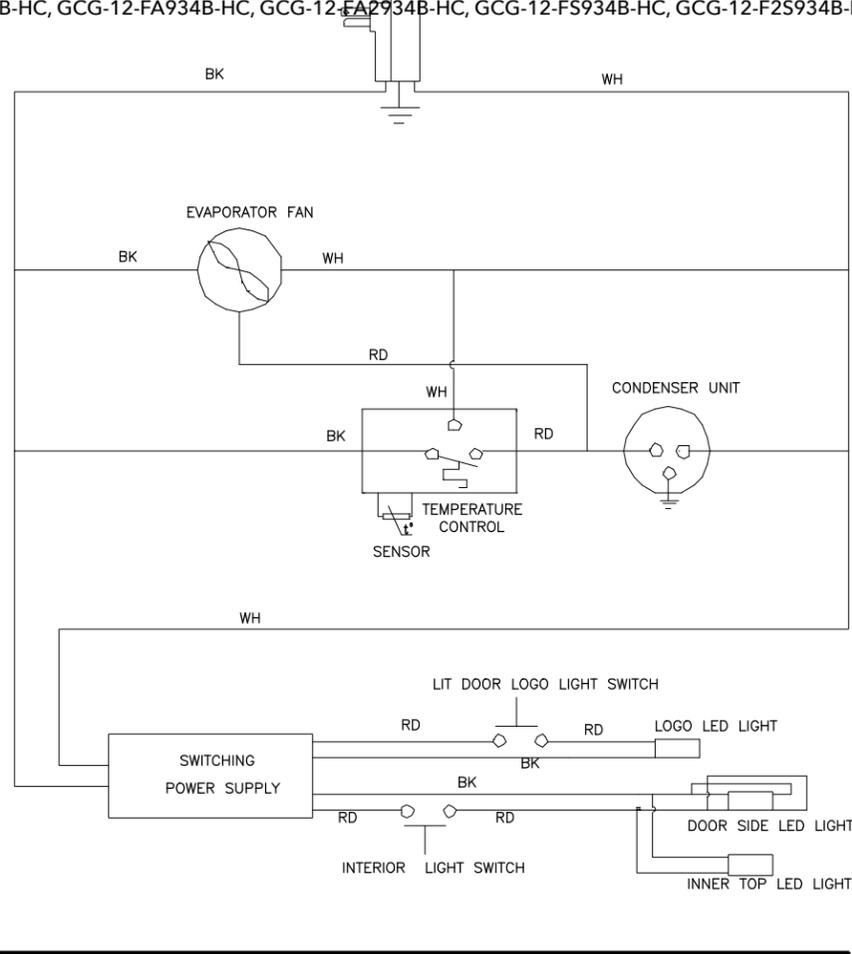
**ELECTRICAL WIRING DIAGRAM (GCG-10F & GCG-12F)**

**FOR MODELS:** GCG-10-F334B, GCG-10-F0334B, GCG-10-FP334B, GCG-10-FW334B, GCG-10-FW2334B, GCG-10-FZ334B, GCG-10-FZ2334B, GCG-10-FA334B, GCG-10-FS334B, GCG-10-F2S334B, GCG-10-FB334B, GCG-10-F334B-HC, GCG-10-F2334B-HC, GCG-10-FP334B-HC, GCG-10-FA334B-HC, GCG-10-FS334B-HC, GCG-10-F2S334B-HC, GCG-12-F334B, GCG-12-F2334B, GCG-12-FP334B, GCG-12-FW334B, GCG-12-FW2334B, GCG-12-FZ334B, GCG-12-FZ2334B, GCG-12-FA334B, GCG-12-FS334B, GCG-12-F2S334B, GCG-12-FB334B, GCG-12-F334B-HC, GCG-12-F2334B-HC, GCG-12-FP334B-HC, GCG-12-FA334B-HC, GCG-12-FS334B-HC, GCG-12-F2S334B-HC



**ELECTRICAL WIRING DIAGRAM (GCG-10F & GCG-12F)**

**FOR MODELS:** GCG-10-F934B, GCG-10-F2934B, GCG-10-FP934B, GCG-10-FP2934B, GCG-10-FW934B, GCG-10-FW2934B, GCG-10-FZ934B, GCG-10-FZ2934B, GCG-10-FA934B, GCG-10-FA2934B, GCG-10-FS934B, GCG-10-F2S934B, GCG-10-FB934B, GCG-10-F934B-HC, GCG-10-F2934B-HC, GCG-10-FP934B-HC, GCG-10-FP2934B-HC, GCG-10-FW934B-HC, GCG-10-FW2934B-HC, GCG-10-FZ934B-HC, GCG-10-FZ2934B-HC, GCG-10-FA934B-HC, GCG-10-FA2934B-HC, GCG-10-FS934B-HC, GCG-10-F2S934B-HC, GCG-10-FB934B-HC, GCG-12-F934B, GCG-12-F2934B, GCG-12-FP934B, GCG-12-FP2934B, GCG-12-FW934B, GCG-12-FW2934B, GCG-12-FZ934B, GCG-12-FZ2934B, GCG-12-FA934B, GCG-12-FA2934B, GCG-12-FS934B, GCG-12-F2S934B, GCG-12-FB934B, GCG-12-F934B-HC, GCG-12-F2934B-HC, GCG-12-FP934B-HC, GCG-12-FP2934B-HC, GCG-12-FW934B-HC, GCG-12-FW2934B-HC, GCG-12-FZ934B-HC, GCG-12-FZ2934B-HC, GCG-12-FA934B-HC, GCG-12-FA2934B-HC, GCG-12-FS934B-HC, GCG-12-F2S934B-HC, GCG-12-FB934B-HC





*Innovative DisplayWorks, Inc.*

To locate the distributor in your area go to: <http://www.idw.global/contact/#distributors>