MERCATOR

NAVIGATING SUCCESS

Glass Door Merchandiser Refrigerator and Freezer

(Swing and Sliding Door)

Service, Installation and Care Manual

Please read this manual completely before attempting to install or operate this equipment.

Notify carrier of damage! Inspect all components immediately.

PLEASE READ THE MANUAL THOROUGHLY PRIOR TO EQUIPMENT SET-UP, OPERATION AND MAINTENANCE

COMMERCIAL REFRIGERATOR SAFETY

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and obey all safety messages.
Our product instructions will be uploaded on our company official website.

This is the Safety Alert Symbol. This symbol alerts you to potential hazards that can kill or injure you and others. All safety messages will follow the Safety Alert Symbol and either the words" DANGER", "WARNING" or "CAUTION".

⚠ DANGER ⚠

Danger means that failure to heed this safety statement may result in severe personal injury or death.

⚠ WARNING ⚠

Warning means that failure to heed this safety statement may result in extensive product damage, serious personal injury, or death.

CAUTION

Caution means that failure to heed this safety statement may result in minor or moderate personal injury, or property or equipment damage.

All safety messages will alert you to what the potential hazard is, tell you how to reduce the chance of injury, and let you know what can happen if the instructions are not followed.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

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.

This appliance can be used by children aged from 8 years and above and persons with reduced physical sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

Keep the appliance and its cord out of reach of children less than 8 years.

Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

The max. loading of shelve is 10kg.

This appliance is intended to be used in house hold and similar applications in this appliance.
--staff kitchen areas in shops, offices and other working environment;
--farm houses and by clients in hotels, motels and other residential type environment;
--bed and breakfast type environment;
--catering and similar non-retail applications.

The appliance shall be used at an ambient temperature listed according to it's climate class:

32 °C ± 2 °C on appliances of climatic class 0, 1, 2, 3, 4, 6 or 8;

43 °C ± 2 °C on appliances of climatic class 5 or 7.

The appliance use flammable insulation blowing gas C5H10, disposal of the appliance shall in accordance with the regulations of local authorities.

The appliance provided with double-capped fluorescent lamps, the lamp has to be replaced by identical lamps only.

The key for appliance electric box should be safe kept by qualified persons in order to avoid a hazard.

When positioning the appliance socket-outlets or portable power supplies at the rear of the appliance.

Based on business order(s) to EU market, give true EU authorized representative information on the label with full business name and full EU address in the marking plate.

If the appliance use flammable refrigerant, such as R600a, R290:

A3 

WARNING: Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.

WARNING: Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.

WARNING: Do not damage the refrigerant circuit.

WARNING: Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.

Handling, moving, and use of the refrigerator or freezer to avoid either damaging the refrigerant tubing, or increasing the risk of a leak

L'opération, le mouvement et l'utilisation du réfrigérant ou le congélateur doivent éviter les dommages du tuyau réfrigérant ou le rique de la fuite.

Caution – Risk of Fire or Explosion due to Flammable Refrigerant Used. Follow Handling Instructions Carefully in Compliance with U.S. Government Regulations

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.

Les pièces de rechange doivent être remplacées par les components relatifs et les opérations doivent être faites par les professionnels afin de minimaliser le risque d'allumage à cause des parts incorrects ou des opérations impropres.

CAUTION – Risk Of Fire Or Explosion Due To Puncture Of Refrigerant Tubing; Follow Handling Instructions Carefully. Flammable Refrigerant Used

DANGER: Risk of child entrapment. Before you throw away your old refrigerator or freezer:

Take off the doors

Leave the shelves in place so that children may not easily climb inside

The instructions shall contain information regarding the maximum loading of each type of shelf.

For appliances which use FLAMMABLE REFRIGERANTS, the instructions shall include information pertaining to the handing, servicing and disposal of the appliance.

An explanation shall be given of the meaning of the alpha-numeric characters, indicating the climatic class of the appliance, that are marked on the appliance.

The installation and operating instructions for appliances that use a flammable refrigerant shall indicate that component parts shall be replaced with like components so as to minimize the risk of possible ignition due to incorrect parts.

The installation instructions for appliances that use a flammable refrigerant shall indicate the appliance is to be installed in accordance with the Safety Standard for Refrigeration Systems, ANSI/ASHRAE 15.

Apply the requirements of Annex 101. DVS to appliances using flammable refrigerants: self-contained appliance., All services shall be done by the accredited persons by the manufacturer according to local regulation. Services related to breaking into the refrigerating circuit, opening of sealed components are not allowed to be done in the user condition, must be taken to the designed location WARNING

Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.

The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater.

Do not pierce or burn.

Be aware that refrigerants may not contain an odour. and MISE EN GARDE

Ne pas utiliser de moyens autres que ceux recornrnandés par Ie fabricant pour accélérer Ie processus de dégivrage ou pour nettoyer l'apparail.
L'appareil doit etre entreposé dans un local ne contenant pas de sources d'inflammation permanentes (flammes nues, appareil à gaz ou dispositif de chauffage électrique en fonctionnement, par exemple).
Ne pas percer ou brūler.
Attention, les f1uides frigorigènes peuvent ne pas dégager d'odeur.
- **WARNING**: Keep clear of obstruction all ventilation openings in the appliance enclosure or in the structure for building-in.
- **WARNING:** Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manuFacturer.
- **WARNING**: Do not damage the refrigerant circuit.
- **WARNING:** Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.

For appliances which use flammable insulation blowing gases, the instructions shall include information regarding disposal of the appliance.

The height of the triangle in the symbol " Caution: risk of fire" shall be at least 15 mm.

The height of the letters used for the marking of the type of flammable insulation blowing gas shall be at least 40 mm.

WARNING

Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.

**The appliance shall be stored in a room without continuously operating ignition sources.
(for example: open flames an operating gas appliance or an operating electric heater.**

Do not pierce or burn.

Be aware that refrigerants may not contain an odour.

MISE EN GARDE

Ne pas utiliser de moyens autres que ceux recommendés par le fabrrcant pour accélérer le processus de degivrage ou pour nettoyer l'appareil.

L'appareil doit être entreposé dans un local ne eontenant pas de sources d'inflammation permanerrtes (flammes nues, appareil à gaz ou dispositif de chauffage electrique en fonctionnernent, par exemple).

Ne pas percer ou brùler.

Attention, les fluides frigorigènes peuvent ne pas dégager d'odeur.

Detection of flammable refrigerants

**Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame)
shall not be used.**

The following leak detection methods are deemed acceptable for all refrigerant systems.

Electronic leak detectors may be used to detect refrigerant leaks but, in the case of FLAMMABLE REFRIGERANTS, the sensitivity might not be adequate. or might need recalibration. (Detection equipment shall be calibrated in a refrigerant-free area.) Ensure that the detector is not apotential source of ignition and is suitable for the refrigerant used. Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed, and the appropriate percentage of gas (25 % maximum) is confirmed.

Leak detection fluids are also suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine can react with the refrigerant and corrode the copper pipe-work.

If a leak is suspected, all naked flames shall be removed/extinguished.

**If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system. or isolated (by means of shut off valves) in a part of the system remote from the leak.
All services shall be done by the accredited persons by the manufacturer according to local regulation. Services related to breaking into the refrigerating circuit, opening of sealed components are not allowed to be done in the user condition, must be taken to the designed location.**

Sealed electrical components shall be replaced.

Intrinsically safe components must be replaced.

Item a) DANGER - Risk Of Fire or Explosion. Flammable Refrigerant Used. Do Not Use Mechanical Devices To Defrost Refrigerator. Do Not Puncture Refrigerant Tubing. and
DANGER-Risque d'incendie ou d'explosion. Fluide frigorigène inflammable utilisé. Ne pas utiliser des moyens rnécanlques pour déconqeler Ie refrigerateur. Ne pas perforer la conduite de fluide frigorigène.

Item b) DANGER - Risk Of Fire Or Explosion. Flammable Refrigerant Used. To Be Repaired Only By Trained Service Personnel. Do Not Puncture Refrigerant Tubing. And
DANGER-Risque d'incendie ou d'axplosion. Fluide frigorigène inflammable utilisé. Dolt uniquement être réparé par un technicien de service formé. Ne pas perforer la conduite de fluide frigoriqène.

Item c) CAUION - 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. and
ATTENTION-Risque d'incendie ou d'explosion. Fluide frigorigène inflammable utilisé. Consulter Ie guide du proprietairé ou Ie manuel de réparation avant d'essayer d'installer ou de réparer ce produit. Toutes les précautions de securite doivent être prises.

Item d) CAUTION-Risk Of Fire Or Explosion. Dispose Of Properly In Accordance With Federal Or Local Regulations. Flammable Refrigerant Used. and
ATTENTION - Risque d'incendie ou d'explosion. Mettre au rebut contorrnérnent aux règlements fédéraux ou locaux. Fluide friqorigène inflammable utilisé.

Item e) CAUTION-Risk Of Fire Or Explosion Due To Puncture Of Refrigerant Tubing; Follow Handling Instructions Carefully. Flammable Refrigerant Used. and
AENION - Risque d'incendie ou d'explosion en cas deperforation d'une canalisation de fluide frigorigène; suivze attentivement les instructions de manutention. Fluide frigorigène inflammable utilisé.

Item f) DANGER-Risk of Fire or Explosion due to Flammable Refrigerant Used. Follow Handling Instructions Carefully in Compliance. with National Regulations. and
DANGER-Risque d'incendie ou d'explosion dũ à l'utilisation d'un fluide frigorigène. Suivez attentivement les instructions demanutention contorrnérnent aux règlements nationaux.

Note:
a) The marking specified in Item (a) shall be provided on or near any evaporators that can be contacted by the user.
b) The markings specified in Items (b) and (c) shall be provided near the machine compartment.
c) The marking specified in Item (d) shall be provided on the exterior of the refrigerator.
d) The marking specified in Item (e) shall be provided near any and all exposed refrigerant tubing.
e) The marking specified in Item (f) shall be provided on appliance packaging if factory charqed.
f) All the markings shall be in letters no less than 6.4mm (1/4in) high.
The marking in Item b) shall also contain the symbol "Cauuon, risk of fire" (Fire in a triangle): The color and format of this sign shall be as shown in Symbol W021 in ISO 7010. The perpendicular height of the triangle containing the "Caution, risk of fire" sign shall be at least 15 mm (9/16in).
g) Refrigeration tubing or other devices through which the refrigerant is intended to be serviced shall be painted, colored red. This color shall be present at all places where service puncturing or otherwise creating an opening in the refrigerant circuit might be expected. In the case of a process tube on a compressor, the color mark shall extend at least 2.5cm(1 inch) from the compressor.

CONTENTS

SERIAL NUMBER INFORMATION

The serial number of all self-contained refrigerators and freezers is located inside the unit on the left hand side near the top on the wall.

Always have the serial number of your unit available when calling for parts or service.

This manual covers standard units only.

RECEIVING AND INSPECTING THE EQUIPMENT

Even though most equipment is shipped crated, care should be taken during unloading so the equipment is not damaged while being moved into the building.

1. Visually inspect the exterior of the package and skid or container. Any damage should be noted and reported to the delivering carrier immediately.
2. If damaged, open and inspect the contents with the carrier.
3. In the event that the exterior is not damaged but upon opening there is concealed damage to the equipment, notify the carrier. Notification should be made verbally as well as in written form.
4. Request an inspection by the shipping company of the damaged equipment. This should be done within 10 days from receipt of the equipment.
5. Be certain to check the compressor compartment housing and visually inspect the refrigeration package. Be sure lines are secure and base is still intact.
6. Freight carriers can supply the necessary damage forms upon request.
7. Retain all crating material until an inspection has been made or waived.

SPECIFICATIONS

SWING GLASS DOOR REFRIGERATORS								
MODEL#	V/Hz/Ph	AMPS	STORAGE CAPACITY Cu-ft	HP	BTU	CHARGE OZ	SHIP WEIGHT LBS	NEMA PLUG
MRM1	115/60/1	3.0	23	1/5	1670	3.0	331	5-15P
MRM2	115/60/1	4.5	48	1/4	2380	3.7	540	5-15P
MRM3	115/60/1	7.5	72	1/2	3200	5.29	741	5-15P

SWING GLASS DOOR FREEZERS								
MODEL#	V/Hz/Ph	AMPS	STORAGE CAPACITY Cu-ft	HP	BTU	CHARGE OZ	SHIP WEIGHT LBS	NEMA PLUG
MFM1	115/60/1	8.0	23	1/2	2000	3.88	353	5-15P
MFM2	115/60/1	9.0	48	1	3650	5.29	567	5-15P
MFM3	115/208 -230/60/1	9	72	1-1/4	4500	5.29	829	L14-20P

SLIDING GLASS DOOR REFRIGERATORS								
MODEL#	V/Hz/Ph	AMPS	STORAGE CAPACITY Cu-ft	HP	BTU	CHARGE OZ	SHIP WEIGHT LBS	NEMA PLUG
MRM2S	115/60/1	4.5	48	1/4	2380	3.7	540	5-15P
MRM3S	115/60/1	7.5	72	1/2	3200	5.29	741	5-15P

INSTALLATION

Location

Models listed in this manual are intended for indoor use only. Be sure the location chosen has a floor strong enough to support the total weight of the cabinet and contents. A fully loaded unit can weigh as much as 1500 pounds. Reinforce the floor as necessary to provide for maximum loading. For the most efficient refrigeration, be sure to provide good air circulation inside and out.

Inside cabinet:

Do not pack refrigerator so full that air cannot circulate. The refrigerated air is discharged at the top rear of the unit. It is important to allow for proper air flow from the top rear to the bottom of the unit. Obstructions to this air flow can cause the evaporator coil to freeze up and lose temperature or cause overflow of water from the evaporator drain pan. The shelves have a rear turn up on them to prevent this, however, bags and other items can still be located to the far rear of the cabinet. Air is brought into the evaporator coil with fans mounted to the front of the coil. Prevent obstruction by locating large boxes and tall stacks of product in the bottom of the cabinet.

Outside cabinet:

Be sure that there is adequate air flow around the unit. Avoid hot corners and locations near stoves and ovens. It is recommended that the unit be installed no closer than 2" from any wall with at least 12" of clear space above the unit. Should it become necessary to lay the unit on its side or back for any reason, allow at least 24 hours before start-up to allow compressor oil to flow back to the sump. Failure to meet this requirement can cause compressor failure and unit damage.

Leveling

A level cabinet looks better and will perform better because the doors will line up with the frames properly, the cabinet will not be subject to undue strain and the contents of the cabinet will not move around on the shelves. Use a level to make sure the unit is level from front to back and side to side. Units supplied with legs will have adjustable bullet feet to make the necessary adjustments. If the unit is supplied with casters, no adjustments are available. Ensure the floor where the unit is to be located is level.

Stabilizing

Models are supplied on casters for your convenience, ease of cleaning underneath and for mobility. It is very important, however, that the cabinet be installed in stable condition with the front wheels locked while in use.

Standard warranties will be voided due to improper installation procedures.

Electrical connection

Refer to the amperage data on page 3, the serial tag, your local code or the National Electrical Code to be sure the unit is connected to the proper power source. A properly protected circuit with the correct voltage and amperage must be used for connecting the power cord or making a permanent connection to the unit.

The ON/OFF switch must be turned to OFF and the unit disconnected from the power source whenever performing service, maintenance functions or cleaning the refrigerated area.

OPERATION

Do not carelessly place or throw items into the storage area. This could result in damage to the interior of the cabinet.

Refrigeration cycle

Refrigerators: Every 6 hours the unit will turn off to let the evaporator coil clear up ice build up. The controller will display the defrost symbol. When the coil temperature reaches 41°F or after 20 minutes of defrost, the unit will turn on again. The factory-set temperature range is 34°F to 38°F.

Freezers: During the refrigeration cycle, the controller supplies power to the condensing unit and evaporator fan motors. The evaporator fan will run any time the evaporator coil temperature is below 54°F and it will cycle off during the defrost period. Every 6 hours, the unit will turn off and the defrost heater will operate to clear up the ice. The controller will display the defrost symbol. When the coil temperature reaches 45°F or after 20 minutes of defrost, the unit will turn on again.

1. Anti-Condensation heaters on the door frames work in conjunction with the compressor.
2. The factory-set temperature range is -7°F to -3°F

Light Switch:

A light switch is located next to the on/off switch on the front of the bottom panel.

SOLID-STATE THERMOSTAT DESCRIPTION

1. FRONT PANEL CONTROLS

1.1 KEY FUNCTION

SET	Displays target set point; in programming mode, it selects a parameter or confirms an operation
❄ (DEF)	Starts manual defrost
▲ (UP)	Displays last alarm occurrence; in programming mode, it browses the parameter codes or increases the display value
▼ (DOWN)	Displays last alarm occurrence; in programming mode, it browses the parameter codes or decreases the display value

KEY COMBINATION

▲ + ▼	Locks & unlocks the keyboard
SET + ▼	Enters programming mode
SET + ▲	Returns to the room temperature display
⏻	Turns the unit off.

1.2 Function of LEDS

LED	MODE	INDICATION
❄	**On**	Compressor enabled
	Flashing	Anti-short cycle delay enabled (AC parameter)
❄	**On**	Defrost in progress
	Flashing	Dripping in progress
	On	Fans output enabled
	Flashing	Fans delay after defrost
°C	**On**	Measurement unit
	Flashing	Programming mode
°F	**On**	Measurement unit
	Flashing	Programming mode

2. MAIN FUNCTIONS

2.1 HOW TO SEE THE SETPOINT

1. Push and immediately release the **SET** key; the display will show the set point value.
2. Push and immediately release the **SET** key or wait for 5 seconds to display the sensor value again.

2.2 HOW TO CHANGE THE SETPOINT

1. Hold the **SET** key for more than 2 seconds to change the set point value.
2. The value of the set point will be displayed and the ❄ LED starts blinking.
3. To change the set value push the ▲ or ▼ key within 10s.
4. To set a new point value, push the SET key again or wait 10s.

2.3 HOW TO START A MANUAL DEFFROST

Push the ❄ key for more than 2 seconds and a manual defrost will start

2.4 HOW TO LOCK THE KEYBOARD

1. Hold the ▲ and ▼ keys for more than 3s.
2. The “POF” message will be displayed and the keyboard will be locked. It will only be possible to see the set point or the MAX or Min temperature stored.
3. If a key is pressed more than 3s, the ”POF” message will be displayed.

2.5 HOW TO UNLOCK THE KEYBOARD

Hold the ▲ and ▼ keys together for at least 3s until the “POF” message is displayed.

3. ALARM CODES

DISPLAY THE ALARM AND RESET THE ALARM

1. Push the ▲ or ▼ key to display alarm codes.
2. When the code is displayed, hold the **SET** key until the “rst” message is displayed, and push the **SET** key again. The “rst” message will start blinking and the normal temperature will be displayed again.

Message	Cause	Outputs
“P1”	Room probe failure	Compressor output according to par. “Con” and “COF”
“P2”	Evaporator probe failure	Defrost end is timed
“HA”	Maximum temperature alarm	Outputs unchanged.
“LA”	Minimum temperature alarm	Outputs unchanged.
“dA”	Door open	Compressor and fans restarts
“EA”	External alarm	Output unchanged.
“CA”	Serious external alarm (i1F=bAL)	All outputs OFF.
“CA”	Pressure switch alarm (i1F=PAL)	All outputs OFF

MAINTENANCE

The power must be turned OFF and the unit disconnected from the power source whenever performing service, maintenance functions or cleaning the refrigerated area.

Refrigerators and Freezers

Clean the interior and exterior with soap and warm water. If needed, use a mixture of ammonia and water or a nonabrasive liquid cleaner. When cleaning the exterior, always rub with the "grain" of the stainless steel to avoid scratching the finish.

Do not use an abrasive cleaner; it will scratch the stainless steel and plastic and can damage the breaker strips and gaskets.

Cleaning the Condenser Coil

The condenser coil requires regular cleaning. Clean the condenser coil every 90 days. If heavy dust, debris, or grease accumulates sooner, clean it every 30 days.

If only light dust and debris builds up on the condenser coil, the coil can be cleaned with a simple brush. Heavier dust may require a vacuum or compressed air to blow through the condenser coil.

If necessary, use only degreasing agents approved for refrigeration and safe for condenser coils. The condenser coil may need to be sprayed with a degreasing agent and then cleaned with compressed air.

Failure to keep the condenser coil clean may result in elevated operating temperatures and excessive run times. Continued operation with dirty or clogged coils can lead to compressor failure. Neglecting condenser coil maintenance will void all compressor warranties and replacement costs.

Never use high-pressure water to clean the condenser coil as it may damage nearby electrical components.

In order to maintain proper refrigeration performance, the condenser fins must also be cleaned of dust, dirt and grease regularly. It is recommended that this be done at least every three months. If the condenser is totally blocked in three months, the frequency of cleaning should be increased. Clean the condenser with a vacuum cleaner or stiff brush. If extremely dirty, a commercial-grade condenser cleaner may be required.

Stainless Steel Care and Cleaning: Preventing Rust

Stainless steel contains 70-80% iron as well as 12-30% chromium which forms an invisible passive film over the steel surface. This film acts as a shield against rust and corrosion. As long as the protective layer is intact, the metal is still stainless. If the film is broken or contaminated, outside elements can begin to breakdown the steel and form rust. Proper cleaning of stainless steel requires soft cloths or plastic scouring pads.

NEVER USE STEEL PADS, WIRE BRUSHES OR SCRAPERS!

MAINTENANCE

Cleaning solutions must be alkaline based or non-chloride based. Any cleaner containing chlorides will damage the protective film of the stainless steel. Chlorides are commonly found in hard water, salts, and household and industrial cleaners. If the stainless steel is exposed to cleaners containing chlorides, be sure to rinse repeatedly and dry thoroughly.

Routine cleaning of stainless steel can be done with soap and water. Severe stains or grease should be cleaned with a non-abrasive cleaner and plastic scrub pad. Always rub with the grain of the steel. Stainless steel cleaners which can restore and preserve the finish of the steels protective layer are also available .

Small pits and cracks are early signs of stainless steel breakdown. If this occurs, clean the surface thoroughly and apply stainless steel cleaners to try to restore the steel.

Never use an acid based cleaning solution ! Many food products have an acidic content which can deteriorate the finish. Be sure to clean the stainless steel surfaces of ALL food products.

Gasket Maintenance

Gaskets require regular cleaning to prevent mold and mildew build up and to maintain elasticity of the gasket. Clean gaskets with warm soapy water. Avoid full strength cleaning products on gaskets as this can cause them to become brittle which will prevent proper sealing. Never use sharp tools or knives to scrape or clean the gasket which could tear the gasket and rip the bellows.

Gaskets can easily be replaced and don't require the use of tools or authorized service technicians. The gaskets are "Dart" style and can be pulled out of the groove in the door and replaced by pressing the new one into place.

Doors/Hinges

Over time and with heavy use, door hinges may loosen. If the door begins to sag, tighten the screws that mount the hinge brackets to the frame of the unit. If the doors are loose or sagging, this can cause the hinge to pull out of the frame which may damage both the doors and the door hinges. A qualified service agent or maintenance personnel may be required to repair door hinges.

Drain Maintenance

Each unit has a drain located inside the unit which removes the condensation from the evaporator coil and drains the excess water into an evaporator pan. The drain can become loose or disconnected if the drain is moved or bumped. If you notice excessive water accumulation on the inside of the unit, be sure the drain tube is connected to the evaporator housing and the condensate evaporator drain pan. If water is collected underneath the unit check the condensate evaporator drain tube to be sure it is still located inside the drain pan. Leveling the unit is important, as it is designed to drain properly only on a flat surface. If your floor is not level this can cause drainage problems. Be sure all drain lines are free of obstructions which may cause water to back up and overflow the drain pans.

MAINTENANCE

Swing Door Replacement and Adjustment

1. Open the bottom panel and hold the door. Loosen the bottom hinge screw and remove the old door.
2. Prepare the new door by inserting top pin into top hinge, and one bottom hinge to hold the door with the bottom pin. Fasten bottom hinge securely to the door frame with three screws.
3. Allow the door to freely swing, making sure the lock is aligned.
4. Plug the unit in and make sure the lock works well. *(is aligned?)*
5. If not, adjust the door height by adding the plastic spacer/washer provided with the bottom hinge pin.

Sliding Door Replacement and Adjustment

1. Remove the counterweight hook at the top of the door.
2. Hold the door up until the bottom edge is over the channel. Move the door out across the channel and lay the door down.
3. Prepare new door; hold the door insert into top channel until the bottom edge is over the bottom channel. Slide the bottom of the door across the channel wall and place it into the channel.

Remove the bottom panel

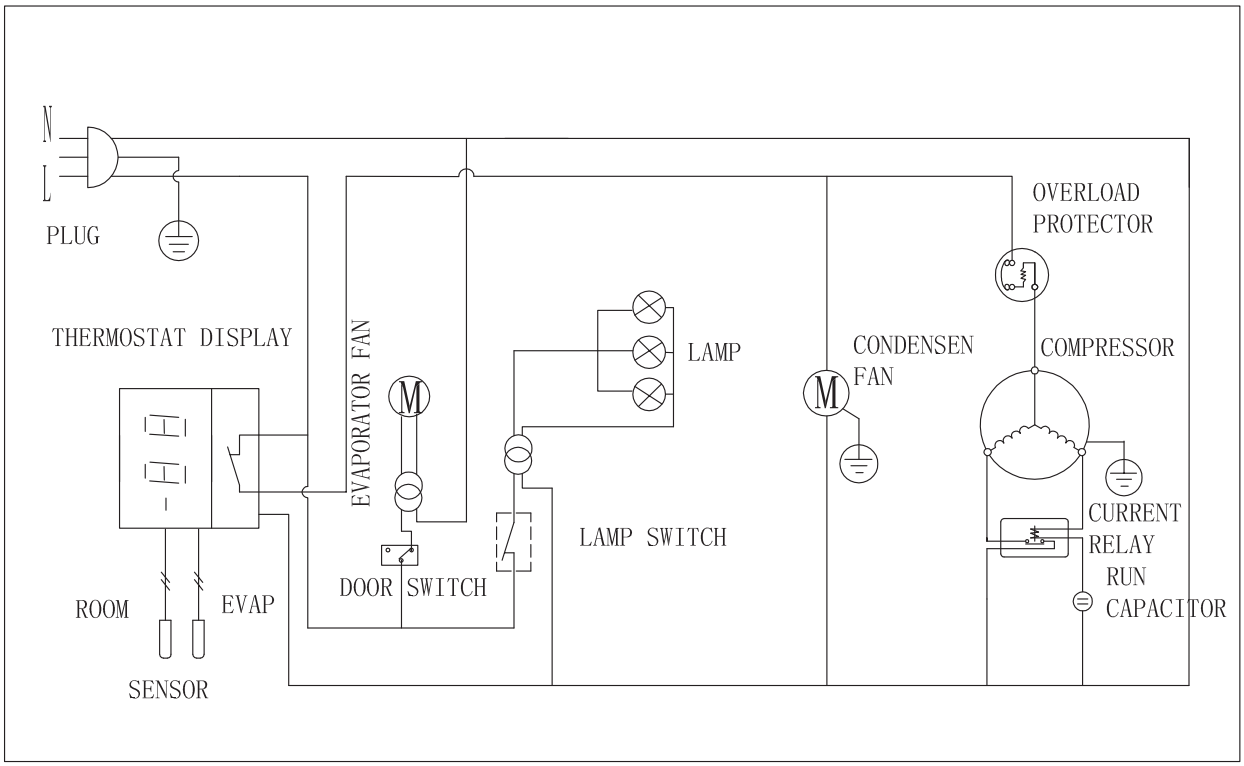
Loosen and remove the top screws, slide the panel up and out

Light Bulb Replacement

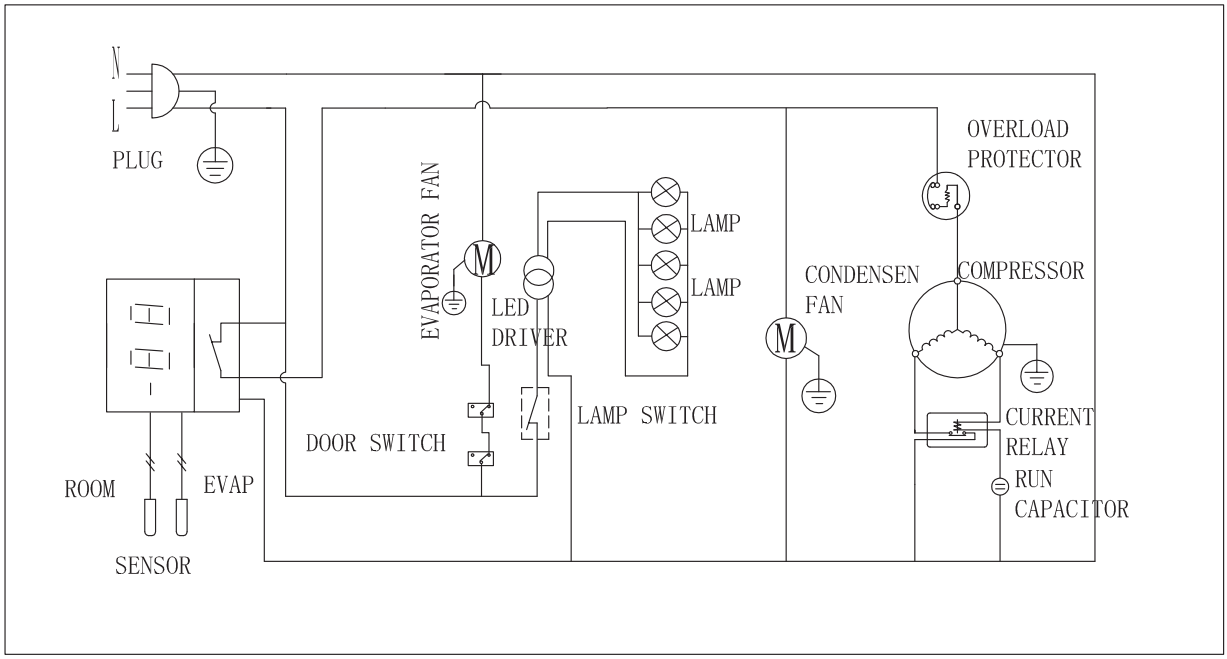
1. Upper light bulb replacement: Loosen the screws in the bottom of the top panel and swing the panel up until the light bulb is exposed. The bulb can then be changed.
2. LED light bulb replacement: Remove the cover to replace the LED light bulb.

WIRING DIAGRAM

MODEL: MRM1

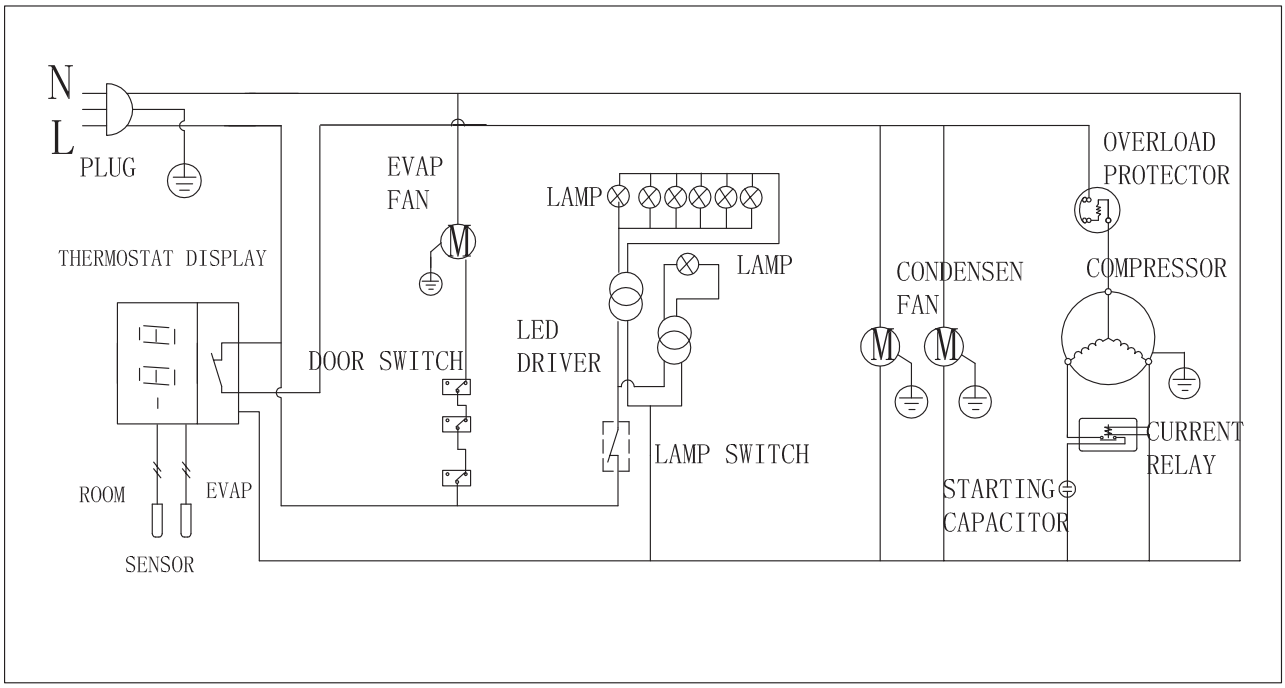


MODEL: MRM2

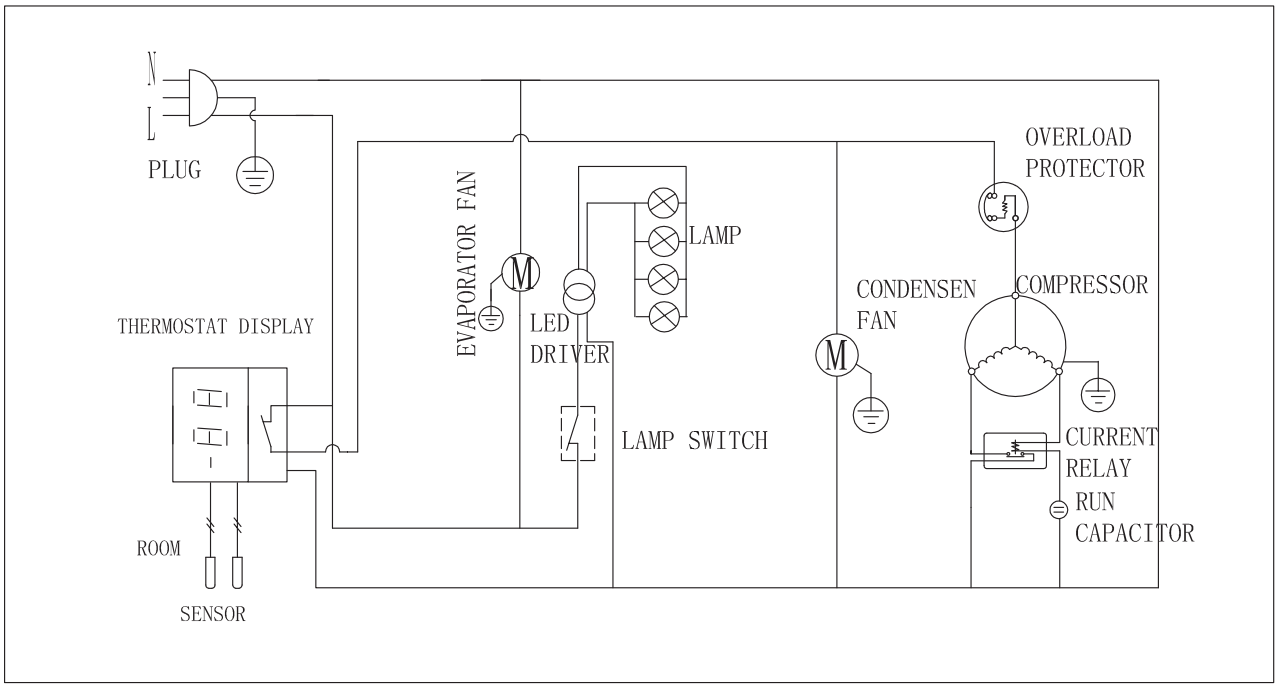


WIRING DIAGRAM

MODEL: MRM3

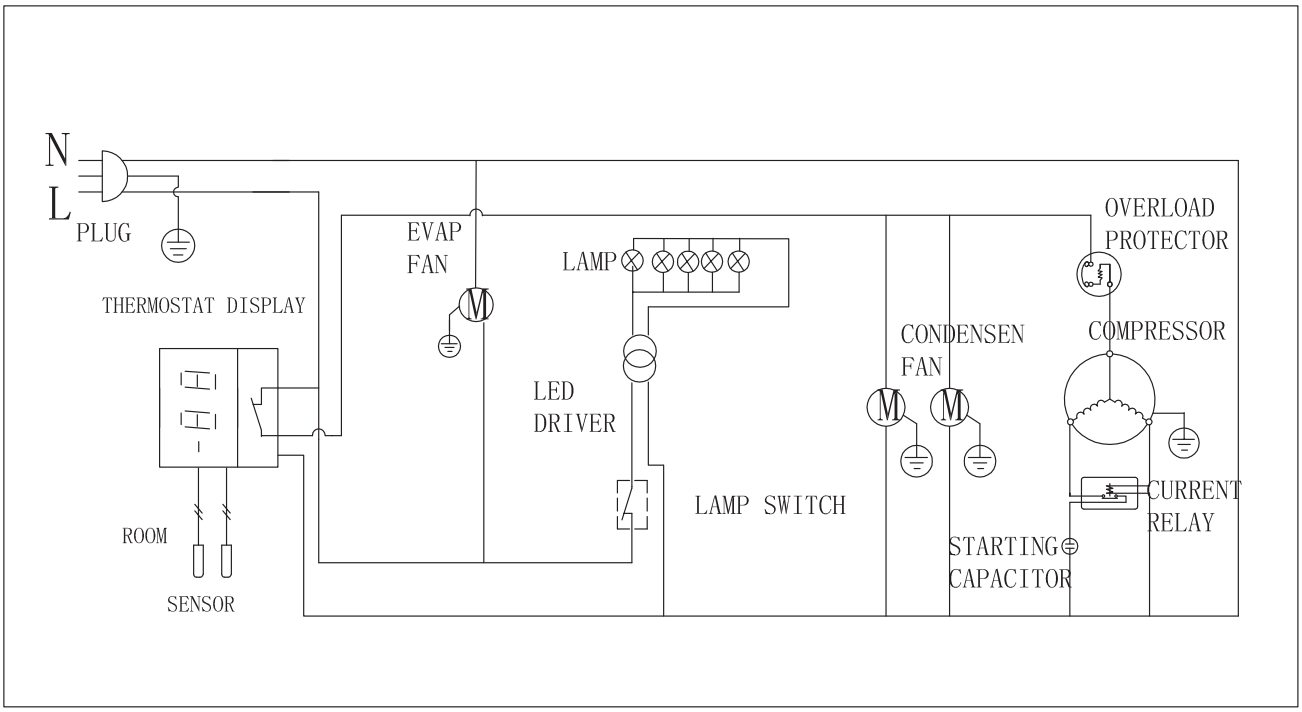


MODEL: MRM2S

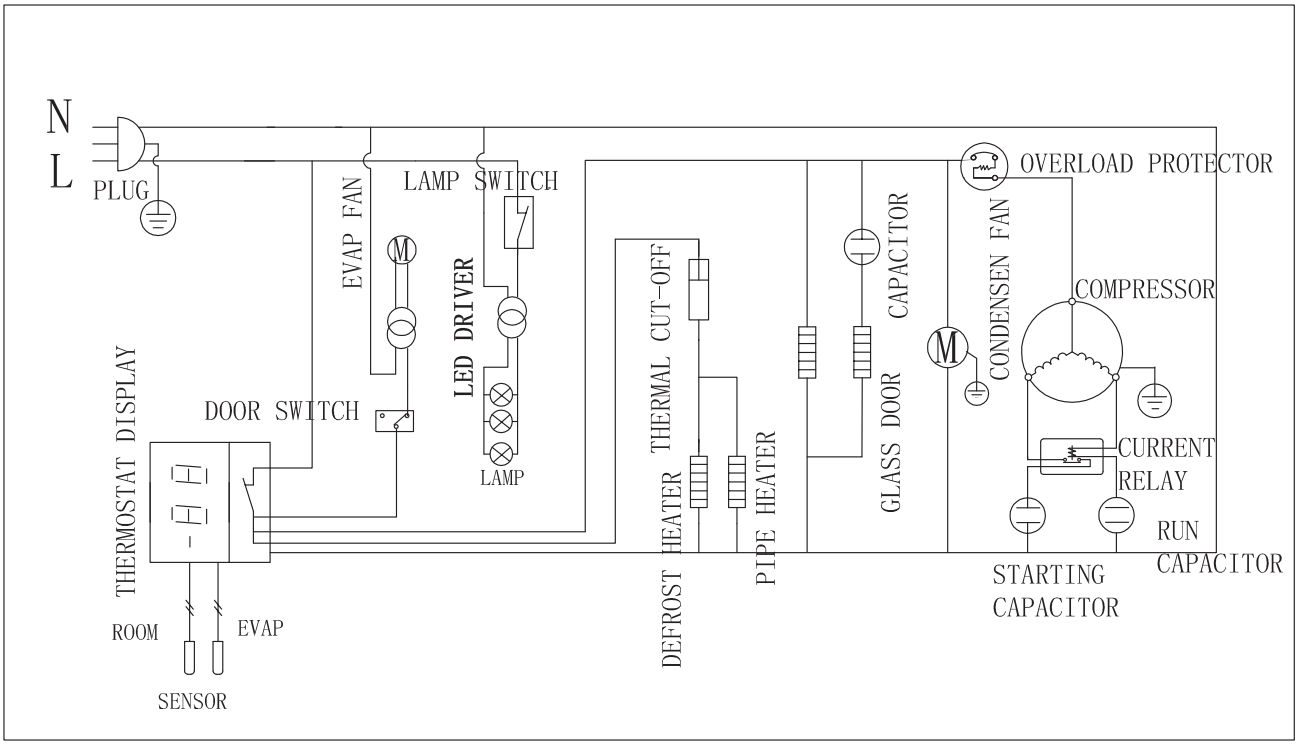


WIRING DIAGRAM

MODEL:MRM3S

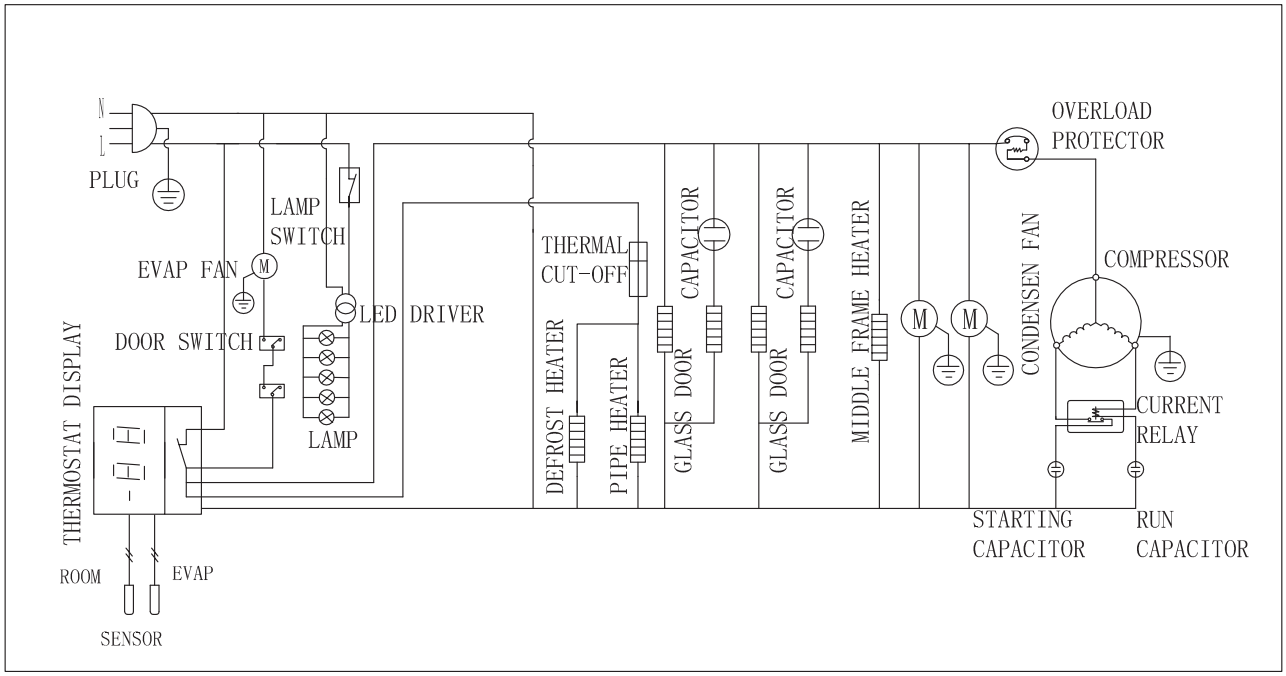


MODEL:MFM1

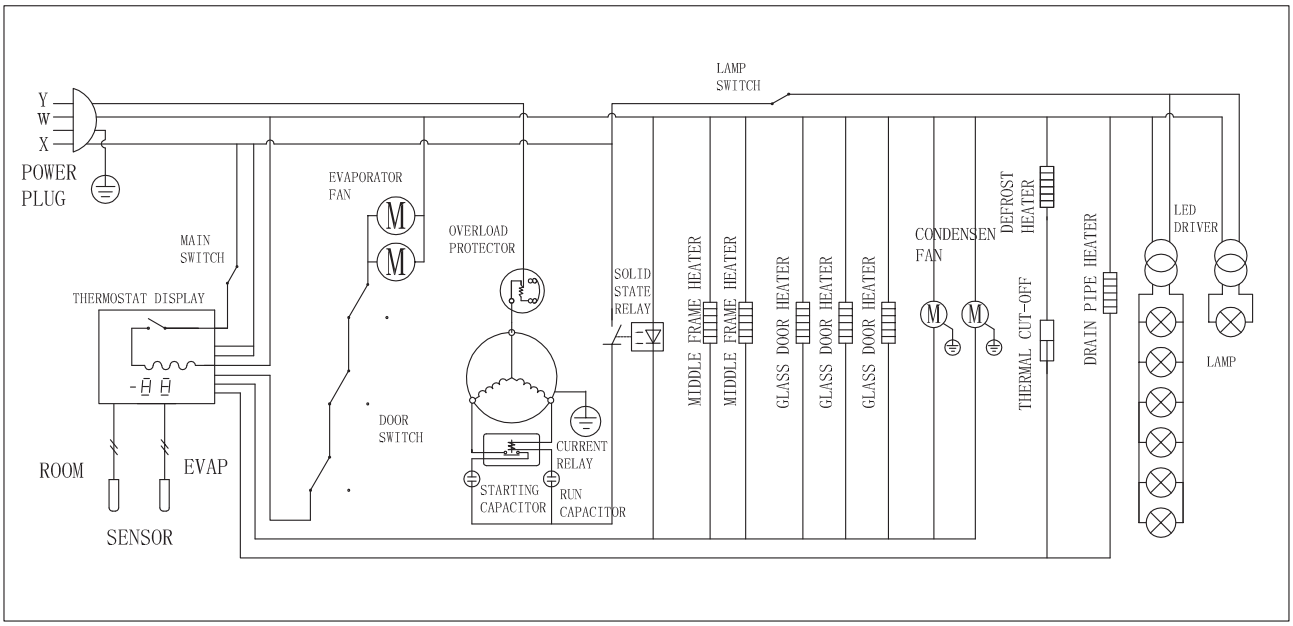


WIRING DIAGRAM

MODEL:MFM2

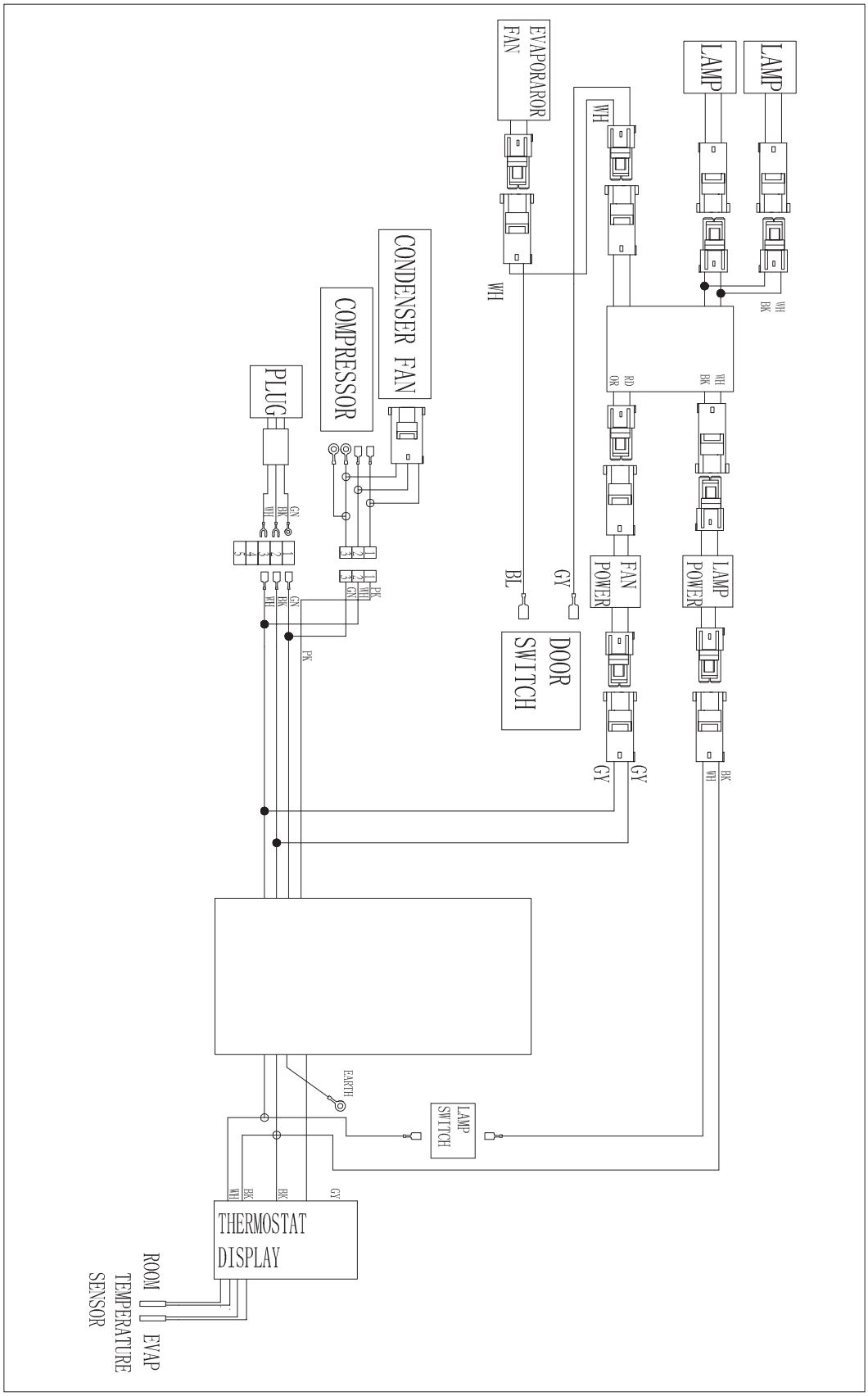


MODEL:MFM3



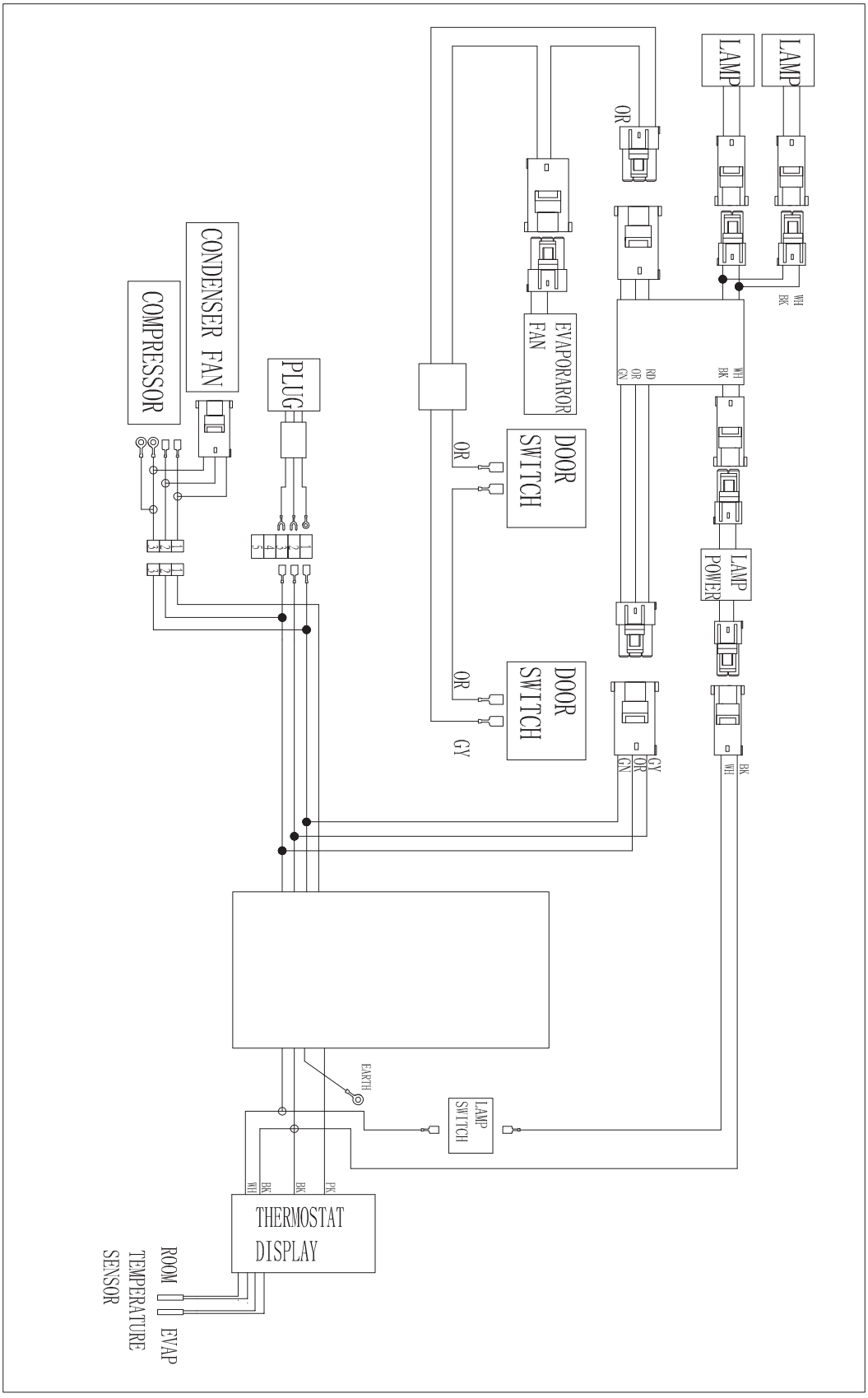
WIRING DIAGRAM

MODEL:MRM1



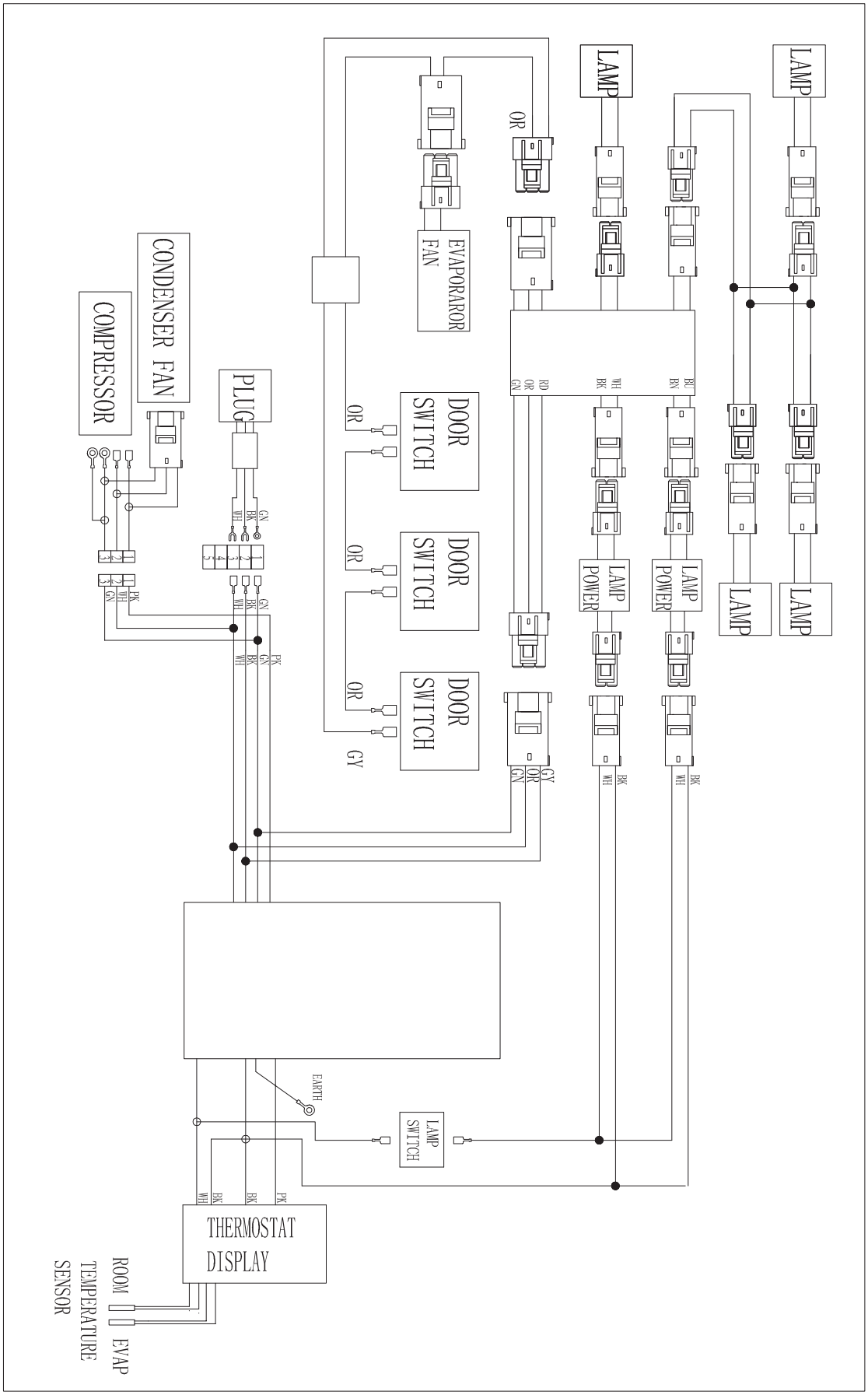
WIRING DIAGRAM

MODEL:MRM2



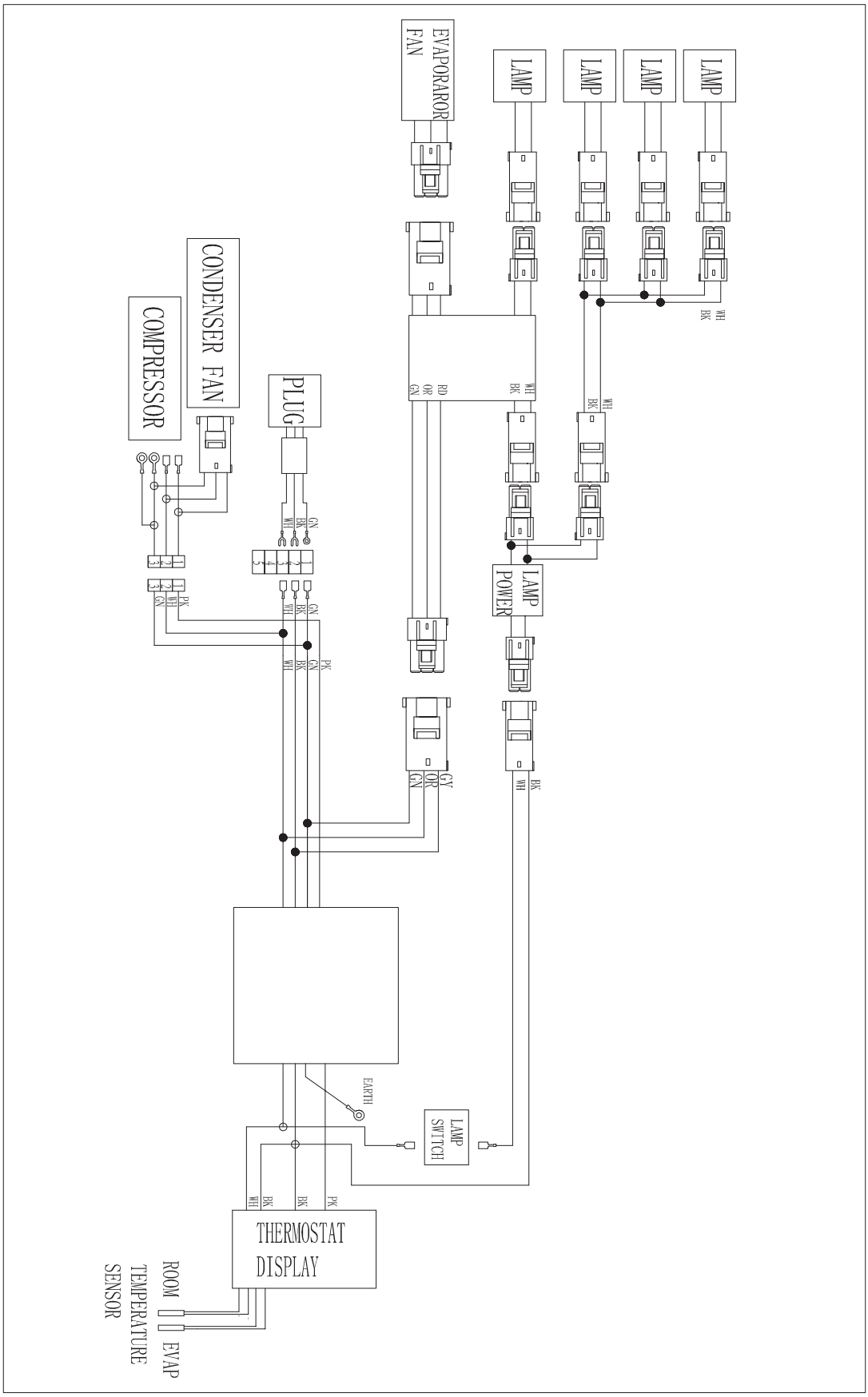
WIRING DIAGRAM

MODEL: MRM3



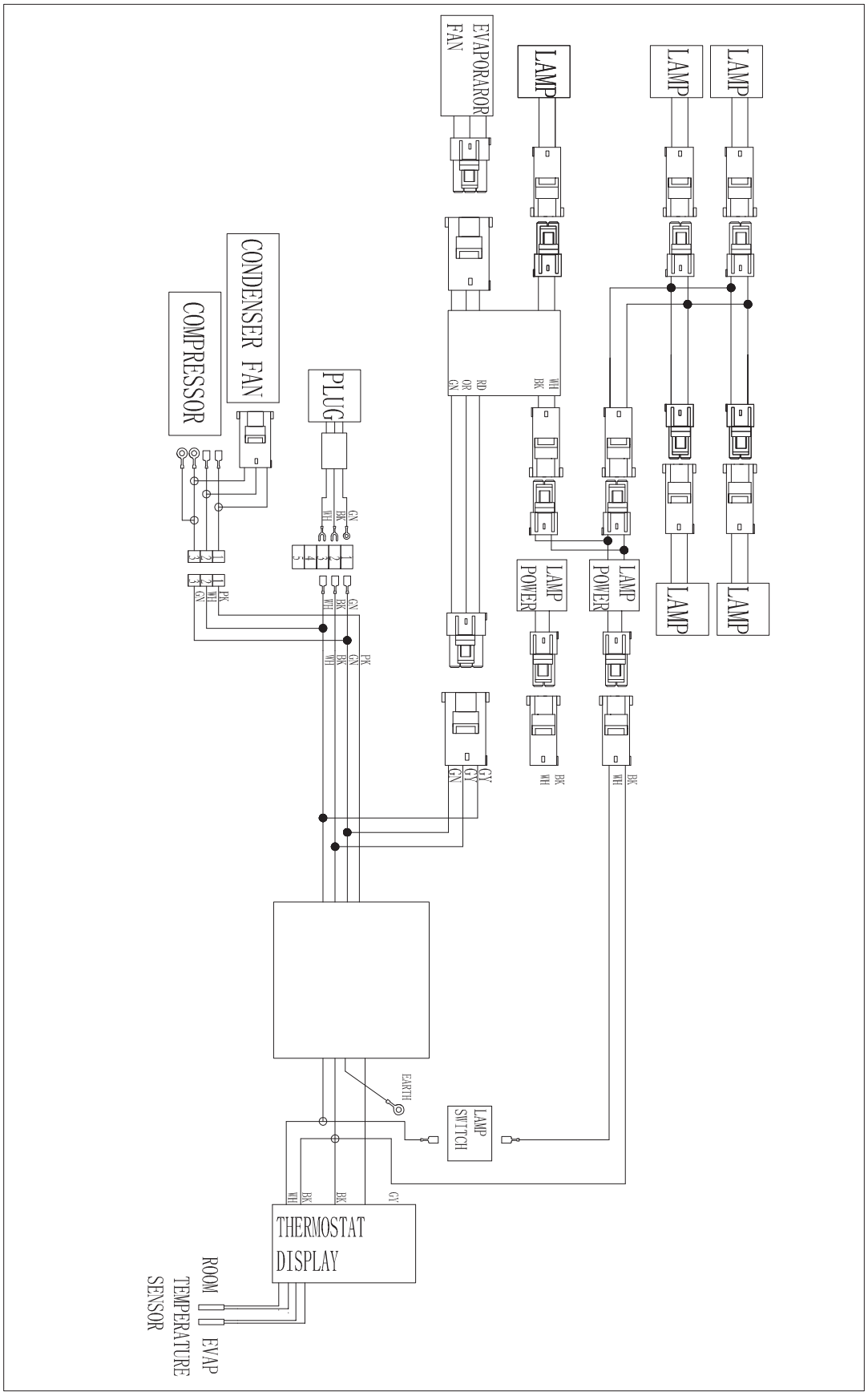
WIRING DIAGRAM

MODEL: MRM2S



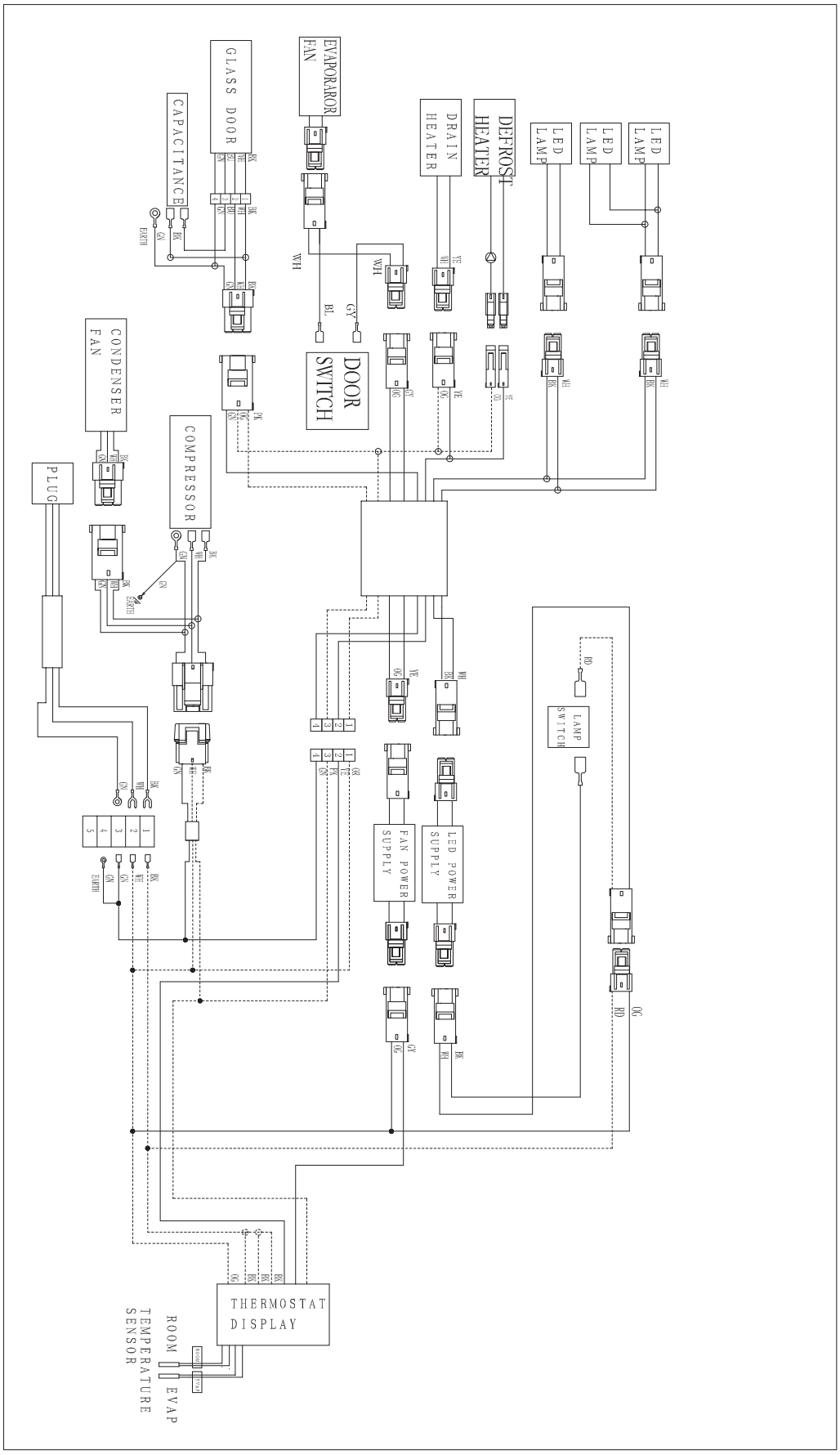
WIRING DIAGRAM

MODEL:MRM3S



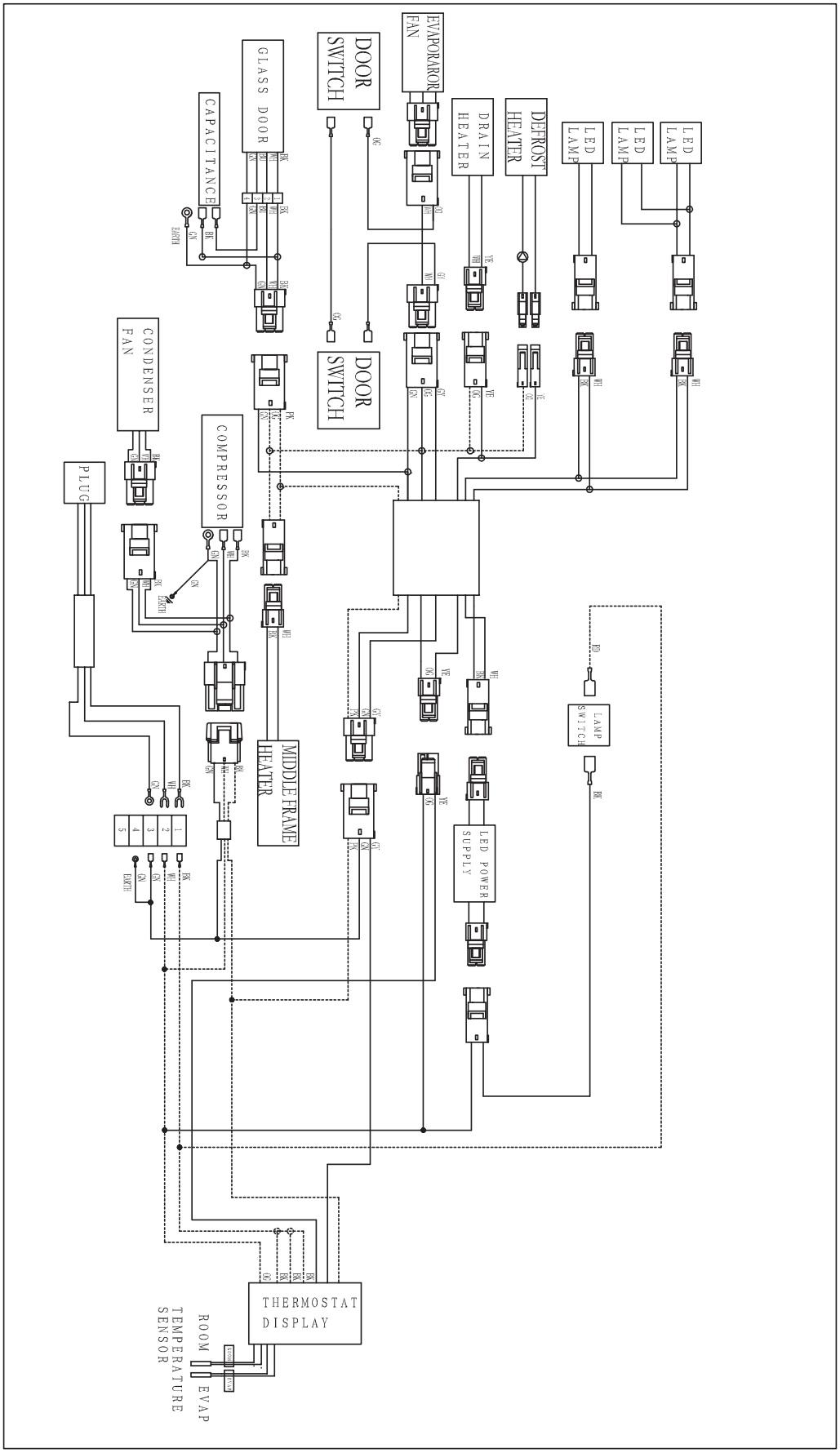
WIRING DIAGRAM

MODEL:MFM1



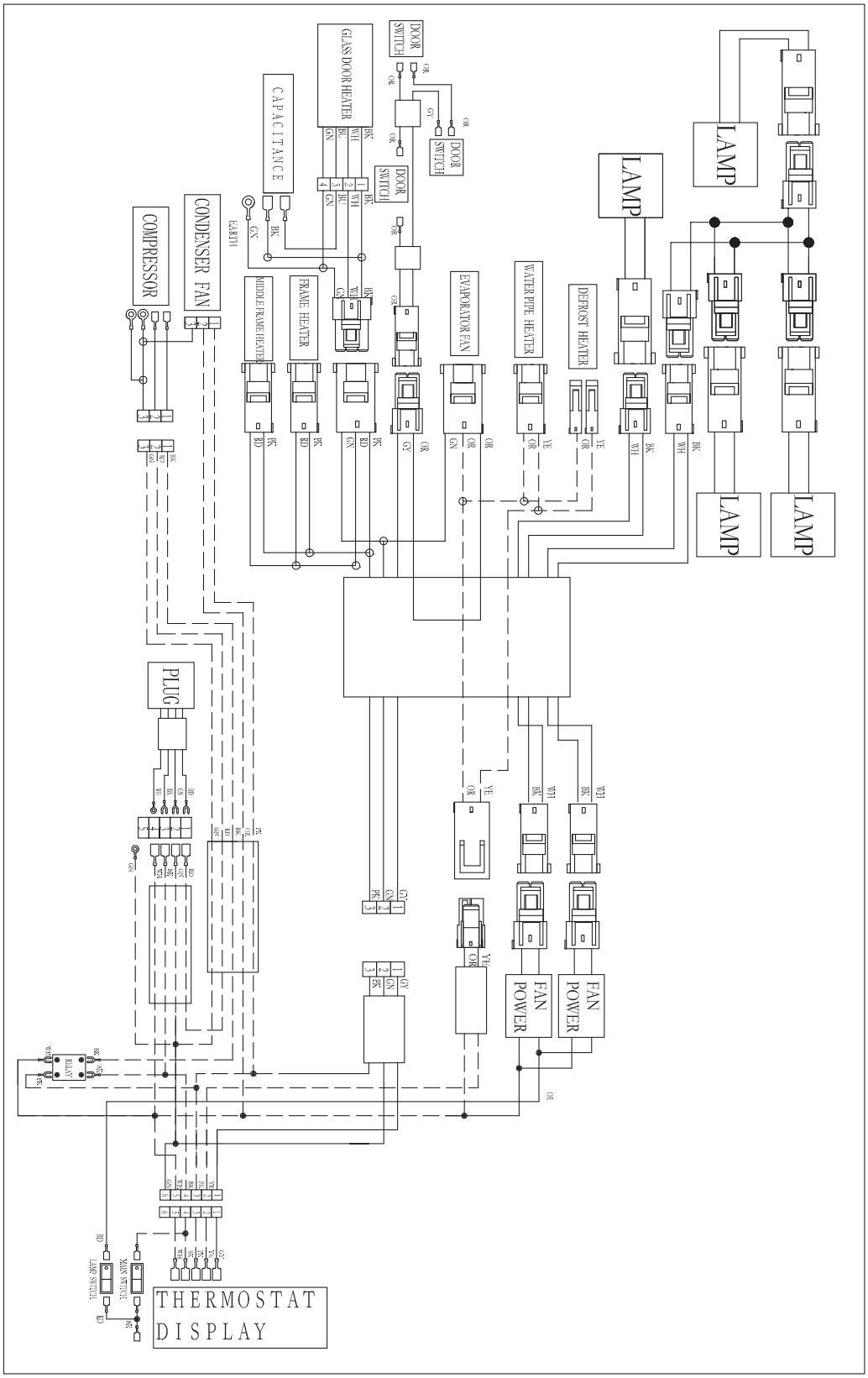
WIRING DIAGRAM

MODEL:MFM2



WIRING DIAGRAM

MODEL:MFM3



MERCATOR

NAVIGATING SUCCESS