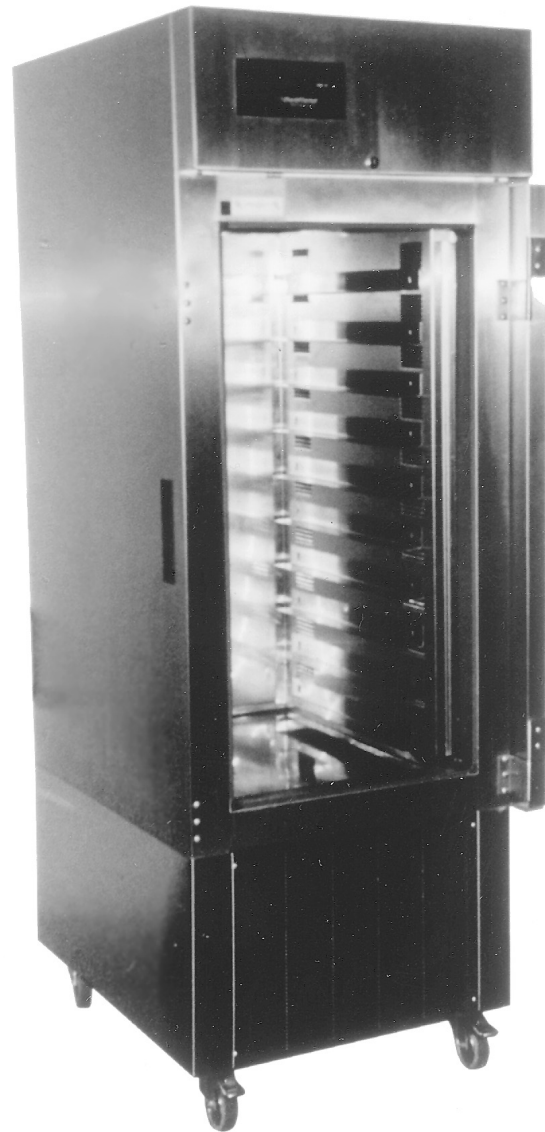




Service and Installation Manual

Please read this manual completely before attempting to install or operate this equipment! Notify carrier of damage! Inspect all components immediately. See page 2.



Air Curtain Refrigerator

ACR-26S

Effective September 1998

Contents

SERIAL NUMBER LOCATION	2
RECEIVING AND INSPECTING	2
MECHANICAL DATA	2
INSTALLATION	3
MAINTENANCE	4
MCII Tempatrol® FUNCTION SETTINGS	4
BASIC OPERATION	5
MCII TEMPATROL®	
Controls	5
Display functions	5
Programming	6
Defrost settings	8
Optional settings	8
Self-diagnostic system	10
REFERENCE CHARTS	
MCII Tempatrol® CHECK SYSTEM warnings	10
MCII Tempatrol® diagnostic codes	11
MCII Tempatrol® display	11
MCII Tempatrol® troubleshooting	12
WIRING DIAGRAM	13
REPLACEMENT PARTS LISTS	14
WARRANTIES	16-17
AUTHORIZED PARTS DEPOTS	back cover

Serial Number Information

To view the serial number of the ACR-26S refrigerator, open the door of the unit. The serial number is located on the inside back wall in the top left corner of the unit.

Always have the serial number of your unit available when calling for parts or service. A complete list of authorized Delfield parts depots is shown on the back cover of this manual.

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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.

Carefully check for any visible signs of damage to cartons or containers. If evidence of damage exists, the package should be opened immediately and joint inventory and examination of the contents should be made by you and the driver.

Concealed damage

If a concealed loss or damage is discovered after you have given the carrier a clear delivery receipt, **notify the carrier in writing immediately or within 10 days from the delivery date.** If you phone the carrier, you must follow

up the call in writing to protect your rights. You can only improve your position as a claimant by promptly reporting such loss or damage. You should also **retain all cartons or containers, including packing material**, until an inspection has been made or waived.

Filing a claim

Notation of loss or damage does not constitute the filing of a claim. You should file your claim **in writing** with the carrier immediately!

Carriers will furnish the necessary form upon request. You should also request an inspection. If a claim is filed by phone, always follow up immediately in writing.

Specifications

DELFIELD PART NUMBER	MODEL NUMBER	VOLTS/HERTZ/ PHASE	AMPS	STORAGE CAPACITY	18" x 26" TRAY CAPACITY	H.P.	BTU/HR DOOR CLOSED	BTU/HR SYSTEM CAP.	SHIP WEIGHT	NEMA PLUG
Air Curtain Refrigerator										
074-2900	ACR-26S	115V/60Hz/1ph	12.0	12.5 ft ³	10	1/2	504	3300	592 lbs./266 kg.	5-15P

Installation

When the door is open, Delfield's patented air curtain design directs cold air across the cabinet opening, keeping hot air out and cold air in for extended periods of time. The unit will maintain a maximum of 45°F box temperature at 70°F ambient with the door open during peak production times, quickly returning to a normal 36°F. With the door closed, a maximum 40°F at 100°F ambient is maintained (normal operation) while running only 15% in an 85° room.

Location

Be sure the location chosen has a floor strong enough to support the total weight of the cabinet and contents. Reinforce the floor if necessary to provide for maximum loading.

Don't pack the interior of the refrigerator so full that air cannot circulate. When operating open, keep trays pushed all the way in so that they do not disrupt the air curtain air flow.

Avoid placing unit under air conditioning vents or other ventilation fans that may affect the air curtain when door is open.

Leveling

A level cabinet looks better and will perform better because the doors will line up with the door 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.

Stabilizing

The ACR-26S is supplied with casters for your convenience, ease of cleaning underneath and for mobility. Two locking casters allow you to stabilize the unit if you are loading or unloading product.

Magnetic door

Open the ACR's door completely and the magnetic strip built in to the frame allows the door to remain open while loading or unloading.

Electrical connection

Refer to the amperage data shown on page 1 of this manual, the serial tag and your local code or the National Electrical Code for proper wire sizes. All case wiring is labeled with the required voltage-be sure it is connected to the proper power source. A protected circuit of the correct voltage and amperage must be run for connection of the line cord or permanent connection to the unit.

The power switch should be turned to the OFF position and the power cord disconnected whenever performing maintenance functions or cleaning the refrigerated cabinet area.

Reversing the door hinging

The following steps will allow you to reverse the side the door hinges on.

1. Open the door to 180° open position.
2. Lift up door and remove door from hinges in fully open position.
3. Remove pins from hinges.
4. Remove both hinges and relocate on the opposite side. Tighten hinges.
5. Unscrew the lock stop tab from the top of door and mount to the bottom in the holes provided.
6. Invert the door and mount it into the hinges in the fully open position.

Maintenance

The interior and exterior can be cleaned using soap and warm water. If this is not sufficient, try ammonia and water or a nonabrasive liquid cleaner. When cleaning the exterior, always run with the "grain" of the stainless steel to avoid marring the finish. Do not use an abrasive cleaner because it will scratch the stainless steel and plastic.

In order to maintain proper refrigeration performance, the condenser fins must be cleaned of dust, dirt and grease regularly. It is recommended that this be done at least every three months. If conditions are such that 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 commercially available condenser cleaner may be required.

Door gaskets should be cleaned as required to maintain their ability to seal properly. Do not use sharp tools or knives to scrape the bellows as this may tear the gasket and eliminate its ability to seal. A bristle brush and solution of soap and water should be all this is required to keep the gaskets clean. Do not use full strength de-greasing agents on the gasket because they could cause the gasket to crack and become brittle.

MCII Function Settings

The MCII microprocessor has been preset at the factory for the following functions eliminating the need for programming when your unit arrives. These settings must be correct for your unit to operate properly.

1. Enter diagnostic Press down + time > temp
2. Enter Phase II. Press defrost
3. Scroll to "Basic function" Press up/down - go to "012"**** - set at 0:01
4. Scroll to temperature range. Press up/down - go to "015" - set at 0:07
5. Scroll to defrost termination temp Press up/down -go to "005" - set at 0.03
6. Press reset button
7. Press temp button. Temp should read 0°F
8. Scroll up or down. Set at 36°F (2°C)

*****Basic function ("012") must be set first otherwise it will cancel out everything previously entered.**

Basic Operation - For Units Built With The MCII Tempatrol®

After plugging the unit in and turning the power switch to **ON**, the unit will operate immediately upon start without any programming of the MCII Tempatrol® required. The freezer temperature is preset to 0°F and the refrigerator is preset to 37°F. NOTE: Freezer cabinets have a built-in differential; the actual interior temperature will be 0 to 3 degrees lower than the set point.

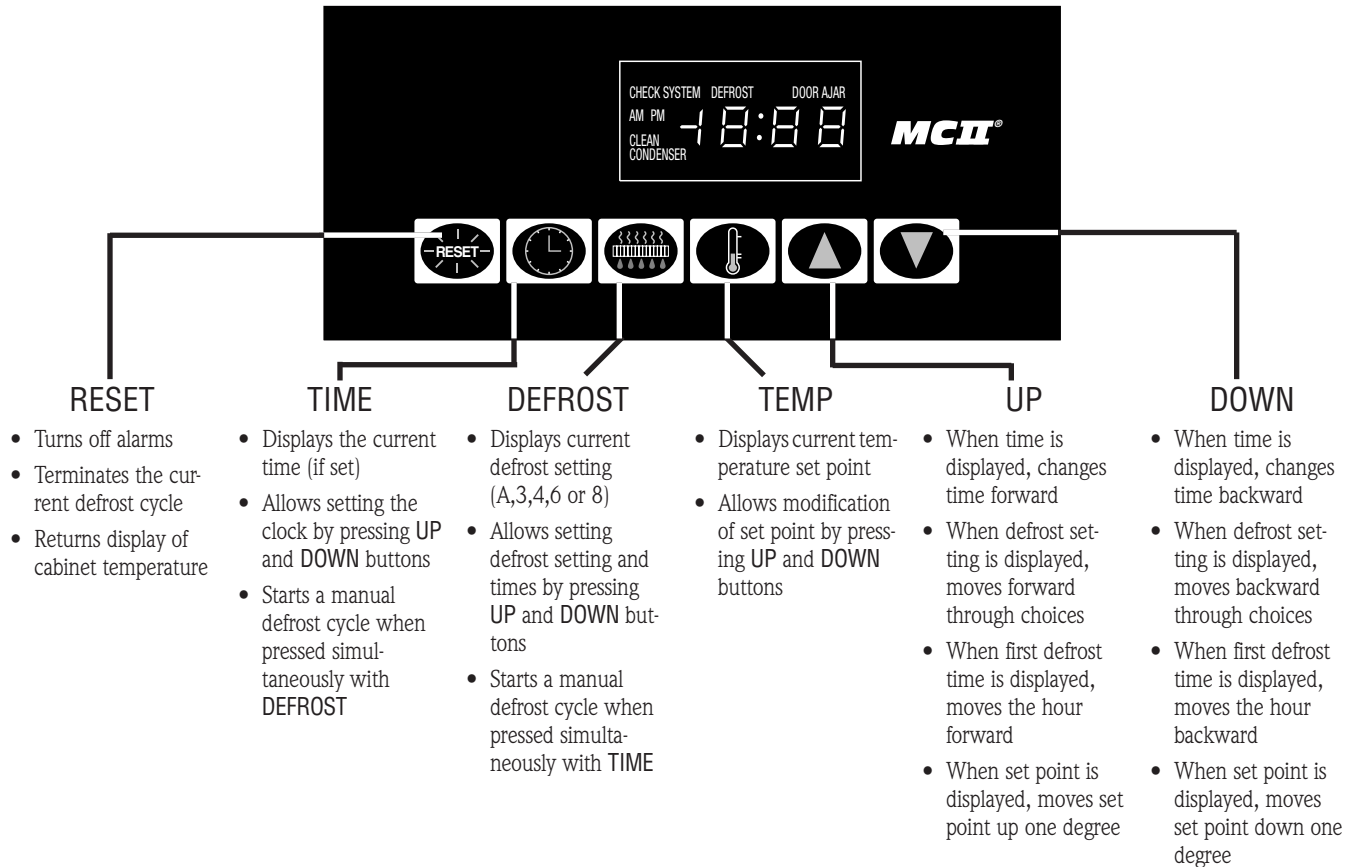
When the unit is started, the digital display will flash, and will continue flashing if the interior cabinet temperature is over the set temperature range. When the cabinet is cooled to the set

temperature range, the display will stop flashing.

When the unit is restarted after a power interruption, the digital display will flash only if the interior cabinet temperature is over the set temperature range. When the cabinet is cooled to the set temperature range, the display will stop flashing.

Every time the unit is started or restarted, the clock must be set to the correct time of day if a custom defrost plan has been previously entered into the MCII Tempatrol. Otherwise, the clock will resume at the time when the power was interrupted.

MCII Tempatrol® Controls



MCII Tempatrol® Display Functions

Normal display

The normal display is the interior cabinet temperature in degrees Fahrenheit. (For details on changing the display to show the temperature in degrees Celsius, see page 10.) Pressing the **RESET** button always displays current temperature. By pressing **TEMP**, you can read the set point of the interior cabinet. The display will automatically return to the current interior temperature after one minute.

It is not unusual for the interior temperature to rise rapidly when a door is opened. The temperature displayed is usually the warmest temperature inside the unit. This is done purposely to make sure that the entire storage area is always represented by the display and assures that the refrigeration system is activated quickly to return the storage area to its correct temperature.

Remember that the temperature displayed represents a precision measurement of the actual air temperature, not an average temperature. When a door is opened, the cold air literally “falls out” and warm air rushes in. What the display shows is real, and provides more accurate control.

Flashing temperature display

A flashing temperature display can be caused by four situations, and is the first signal of a possible problem:



1. The unit has been started, or restarted after a power loss, and has not yet reached set temperature.
2. The interior cabinet is over temperature. This occurs when a freezer reaches 32°F (0°C) or when a refrigerator reaches 65°F (18°C). This condition will stop when the temperature returns to a reading below these warning levels.
3. Long duty cycle. The unit has been running for one continuous hour without a door being opened. This condition will stop if **RESET** is pressed, a door is opened, or if the compressor shuts off.
4. The door has been ajar for over one minute. This condition will stop if the door is closed.

Continued on the next page

MCII Tempatrol® Display Functions (continued)

Door ajar

The **DOOR AJAR** indicator light will come on when a door is opened. If the door remains open for more than one minute, the temperature display will begin to flash.

After three minutes, a loud beep is emitted every three seconds. The flashing display and warning beep will stop when **RESET** is pressed. If the door is not closed when **RESET** is pressed, the same cycle will repeat.



Clean condenser

The **CLEAN CONDENSER** indicator light is a maintenance reminder that comes on every 90 days. It will go off when the **RESET** button is pressed.



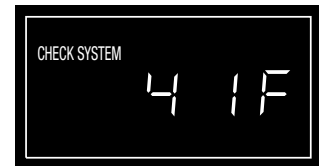
Defrost

The **DEFROST** indicator light comes on during defrosting cycles. The defrost cycle may be terminated by pressing the **RESET** button. Warmer interior cabinet temperatures are normal during and after defrosting.



Check system

The **CHECK SYSTEM** indicator light comes on when a significant malfunction of the unit has occurred, such as an incomplete defrost, continuous compressor operation with accompanying over-temperature condition, or sensor failure. After 2™ hours in this condition, a loud warning beep is emitted every second. The beep will stop if **RESET** is pressed.



Clock display

Setting the **CLOCK** is not essential to operation unless custom defrost times have been set on freezer units and while not in automatic (A) mode. If the power is interrupted, the clock may have to be reset for correct custom defrost timing.



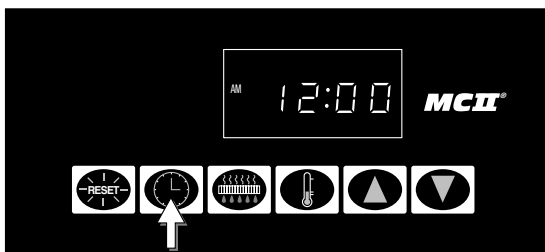
MCII Tempatrol® Programming

Setting the clock

To set the clock, perform the following steps:



- 1) Press **RESET** to clear the flashing display; this must be done to make the rest of the keypad functional.



- 2) Press the **TIME** button to show current time (set to 12:00 a.m. when started or restarted).

- 3) Press **UP** or **DOWN** to set the correct time. Note the AM and PM indicators at the left of the clock display.
- 4) Press **RESET** to return to interior cabinet temperature display.

If the defrost cycle starts while the clock is being set, stop pressing the **UP** or **DOWN** button and wait a couple of seconds before continuing. This will help to keep the time display advancing quickly.

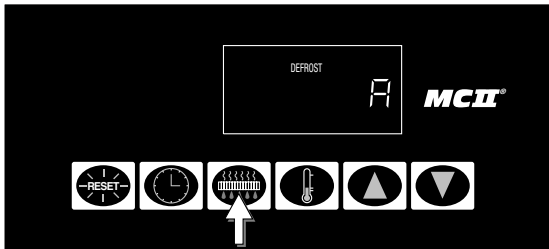
MCII Tempatrol[®] Programming (continued)

Setting defrost cycles

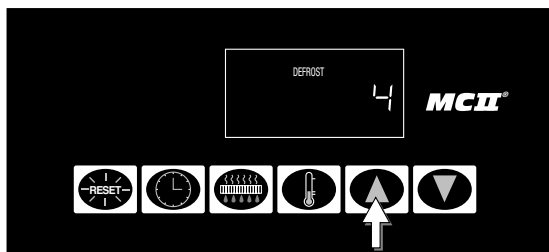
Setting defrost cycles on freezer units is done via the MCII Tempatrol. The automatic defrost cycle is preprogrammed at “3” in the factory, and no adjustment is needed to use the unit with this setting. A custom defrost cycle for freezers can be programmed if desired. For information on how to determine the proper defrost setting for your application, see page 9.

Refrigerators defrost automatically; no adjustment is needed.

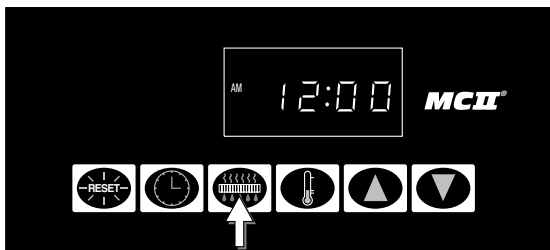
Follow these steps to set or change the defrost cycle:



- 1) Press **DEFROST**. The current defrost setting (A, 3, 4, 6 or 8) will be displayed. “A” indicates the automatic “demand” defrost cycle; 3 through 8 indicate the number of defrost cycles per 24 hours.

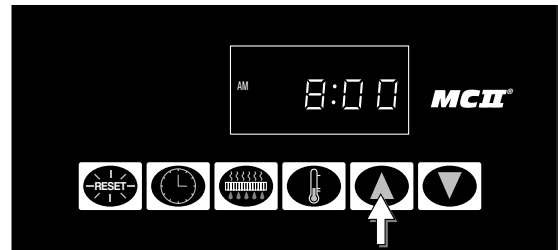


- 2) Press **UP** or **DOWN** until desired setting appears in



the display.

- 3) Press **DEFROST** again. If you selected automatic (A) mode, the display will return to the interior temperature reading. If you selected 3, 4, 6 or 8,

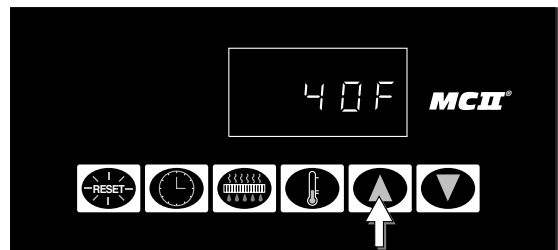


however, the time of the first defrost is shown.

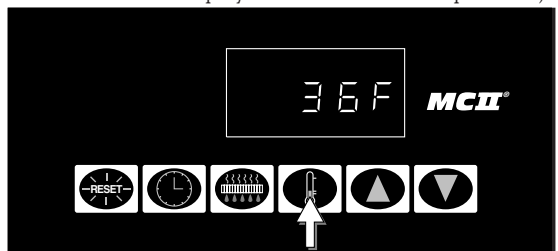
- 4) Press **UP** or **DOWN** to set the hour of the first defrost cycle. Other defrosts will then be spaced evenly over each 24-hour period, as determined by the number of cycles selected.
- 5) Press **RESET** to return display to interior temperature reading.

Setting the temperature set point

Setting the temperature set point is also accomplished using the MCII Tempatrol. The recommended storage temperature for freezers is 0°F to -5°F (-18°C to -21°C); the set point is preprogrammed at the factory at 0°F (-18°C). The recommended storage temperature for refrigerators is 35°F to 40°F (2°C to 4°C); the set point is preprogrammed at the factory at 37°F (3°C). If other ranges are selected and set, they must be suitable for all products being stored in the unit.



- 1) Press **RESET** to display interior cabinet temperature, if



not already shown.

- 2) Press **TEMP** to display the current set point.
- 3) Press **UP** or **DOWN** to select the desired new set point. Refrigerators are designed to maintain an interior temperature of 34°F to 45°F (1°C to 7°C);

MCII Tempatrol® Defrost Settings

Refrigerators

Refrigerators automatically defrost, using a special defrost program in the MCII Tempatrol®. A refrigerator will defrost whenever the MCII Tempatrol detects poor unit efficiency.

A refrigerator defrost will rarely occur. However, under certain conditions, a defrost may be needed to assure optimum performance. Defrost cycles will occur more frequently at interior temperature settings of 34°F (1°C) or less. Frequent defrosts may also occur when room temperatures are unusually high.

*Refrigerator defrosts cannot be adjusted; however, pressing the **RESET** button will terminate the current defrost cycle on either a refrigerator or a freezer.*

Freezers

On freezers, an automatic (A) defrost cycle has been preset at the factory; custom defrost cycles may be set by the user. The last defrost program is always kept in the MCII Tempatrol's memory, even if power is lost. Correct setting of the clock is essential if a custom defrost cycle is set.

Custom defrost cycles

When programming the custom defrost cycles, the display will offer a choice of **A, 3, 4, 6** or **8**. The following chart has guidelines on selecting the proper setting.

DEFROST SETTINGS	USAGE LEVEL	FREQUENCY OF DOOR OPENINGS	DEFROST TIMING
A	variable	varies during the day	automatic; as needed
3	light	8 to 10 times per day	every 8 hours
4	average	about once per hour	every 6 hours
6	heavy	two or three times per hour	every 4 hours
8	very heavy	several times per hour	every 3 hours

More defrosts should be added in high humidity environments.

Based on your selection, enter a time for the first defrost so that it, and all subsequent defrosts, occur at suitable times.

Example

Matt's Diner wants to avoid defrost cycles during the peak business hours around 7:00 a.m., noon and 5:00 p.m. The freezer is used heavily during these periods, but the rest of the day is "normal". The humidity in the diner is high, however. Therefore, we estimate that four defrosts are needed each day, and they will occur every six hours.

To avoid the 7:00 a.m. rush, the first defrost time will be set at 8:00 a.m. in this example. Subsequent defrosts then occur at 2:00 p.m., 8:00 p.m. and 2:00 a.m., thereby missing all the rush periods.

The first defrost should be set to follow the period of heaviest usage during the day.

For additional instructions on using the MCII Tempatrol to set a custom defrost cycle, see page 8.

Automatic defrost cycles

If the automatic (A) or "demand" defrost mode is selected, the MCII Tempatrol will monitor usage and efficiency of the unit, and will then defrost automatically only when needed. This setting is recommended for all applications when the time of each defrost is not important. In automatic (A) mode, it is possible for light duty units to operate for several days without defrosting.

By eliminating unnecessary defrosting, significant energy savings can be realized, and fewer defrosts also lead to more constant temperature control and longer product life.

The automatic defrost mode is not recommended when the number of door openings per hour exceeds three.

For additional instructions on using the MCII Tempatrol to set the automatic (A) defrost cycle, see page 8.

Manual defrost cycles

A manual defrost cycle can be initiated at any time by pressing the **DEFROST** and **TIME** buttons simultaneously. The defrost can be terminated by pressing **RESET**.

MCII Tempatrol® Optional Settings

Changing the temperature

The temperature display can read in degrees Fahrenheit (default setting) or Celsius (International System). To change scales, follow these steps:



STEPS

- 1) Press the **TIME** and **DOWN** buttons simultaneously, then press the **TEMP** button.
- 2) Press the **DEFROST** button. The condensing unit will shut off, and the display will read **000**.
- 3) Hold the **TIME** button, and press **UP** or **DOWN** until the display shows **C** for Celsius, or **F** for Fahrenheit.
- 4) Release the **TIME** button. The display will blink to indicate the command has been executed.
- 5) Press **RESET**. The condensing unit will restart, and the display will return to the cabinet temperature, now displayed in the new temperature scale.

MCII Tempatrol[®] Optional Settings (continued)

Locking control settings

You can lock the control settings so that they cannot be changed without knowing how to unlock them. This will prevent unsupervised changes to the set point or defrost cycles.



- 1) Press the **TIME** and **DOWN** buttons simultaneously, then press the **TEMP** button.
- 2) Press the **DEFROST** button. The condensing unit will shut off, and the display will read **000**.
- 3) Press **UP** until the display reads **009**.
- 4) Hold the **TIME** button, and press **UP** or **DOWN** until the display shows **L** for locked, or **U** for unlocked.
- 5) Release the **TIME** button. The display will blink to indicate the command has been executed.
- 6) Press **RESET**. The condensing unit will restart, and the display will return to the cabinet temperature. No control settings can be changed until the locking procedure is reversed.

Over temperature alarms

You can select when the over temperature alarm will sound. The following settings are available:

- 0:01** Alarm sounds when unit is over set point for 60 minutes (default setting)
- 0:02** Alarm sounds when the unit is 5°F (3°C) over set point.
- 0:03** Alarm sounds when the unit is 10°F (6°C) over set point.
- 0:04** Alarm sounds when the unit is 15°F (8°C) over set point.



- 1) Press the **TIME** and **DOWN** buttons simultaneously, then press the **TEMP** button.
- 2) Press the **DEFROST** button. The condensing unit will shut off, and the display will read **000**.
- 3) Press **UP** until the display reads **010**.
- 4) Hold the **TIME** button, and press **UP** or **DOWN** until the display shows the desired setting from the chart above.
- 5) Release the **TIME** button. The display will blink to indicate the command has been executed.
- 6) Press **RESET**. The condensing unit will restart, and the display will return to the cabinet temperature.

Power up display

When the unit is restarted, you can choose to have the normal temperature display appear (option **0:01**), a flashing temperature display for 3 seconds (option **0:02**) or a flashing clock display for 3 seconds (option **0:03**). The flashing displays may help remind you to check the defrost, set point or clock settings after a power interruption.



- 1) Press the **TIME** and **DOWN** buttons simultaneously, then press the **TEMP** button.
- 2) Press the **DEFROST** button. The condensing unit will shut off, and the display will read **000**.
- 3) Press **UP** until the display reads **011**.
- 4) Hold the **TIME** button, and press **UP** or **DOWN** until the display shows the desired setting.
- 5) Release the **TIME** button. The display will blink to indicate the command has been executed.
- 6) Press **RESET**. The condensing unit will restart, and the display will return to the cabinet temperature.

Set point differential tolerance

The unit is set at the factory to hold the programmed set point to within plus or minus 3°F (2°C), which is default option **0:01**. Depending on the alarm setting you have selected, the alarm will sound when the cabinet temperature is outside that range. You may change the differential tolerance to 2°F (1°C) by selecting option **0:02**, or 1°F (0.5°C) by selecting option **0:03**.



- 1) Press the **TIME** and **DOWN** buttons simultaneously, then press the **TEMP** button.
- 2) Press the **DEFROST** button. The condensing unit will shut off, and the display will read **000**.
- 3) Press **UP** until the display reads **013**.
- 4) Hold the **TIME** button, and press **UP** or **DOWN** until the display shows the desired setting.
- 5) Release the **TIME** button. The display will blink to indicate the command has been executed.
- 6) Press **RESET**. The condensing unit will restart, and the display will return to the cabinet temperature.

Other programmable options

There are many other options accessible through the MCII Tempatrol; these should be left to qualified service personnel, however. For information on accessing the MCII Tempatrol's self-diagnostic mode, see the next section.

MCII Tempatrol® Self-Diagnostic System

Check system indications



Whenever a **CHECK SYSTEM** indication appears, a potentially serious problem has occurred. Appropriate action should be taken immediately to ensure proper product temperature is maintained. A qualified service agent should be called whenever a serious problem has occurred.

You may be able to speed up the repair process, however, by noting the diagnostic codes provided on the digital display by the MCII when a problem occurs.

Using the diagnostic mode

Using the following instructions, enter the diagnostic mode and write down the codes to give to your service agent.



- 1) To enter the diagnostic mode, press **DOWN** and **TIME** simultaneously, then press **TEMP**.
- 2) The diagnostic code numbers and **CHECK SYSTEM** indicator should appear. If there is more than one code number, the unit will display them one after another, repeating the sequence continuously. By using the chart provided on page 12, you can determine the problem area or areas to check.

- 3) To exit the diagnostic mode, press **RESET**.

The **CHECK SYSTEM** indicator will go out unless there is a sensor problem. The **CHECK SYSTEM** indication will reappear in one hour if an over-temperature condition still exists.

The diagnostic codes are provided for information only; service should be left to qualified service agents only!

Clearing error codes

After the unit is repaired, the error code or codes must be erased from the MCII. Otherwise, they will be stored and any new errors will be added to the old list, making diagnosis of potential future problems difficult. Follow these steps to erase all error codes from the MCII:



- 1) Press the **TIME** and **DOWN** buttons simultaneously, then press the **TEMP** button.
- 2) Press the **DEFROST** button. The condensing unit will shut off, and the display will read **000**.
- 3) Press **UP** until the display reads **08**.
- 4) Press the **TIME** button. The display will blink to indicate the command has been executed.
- 5) Press **RESET**. The condensing unit will restart, and the display will return to the cabinet temperature.

MCII Tempatrol® Check System Warnings (Reference Chart)

WARNING INDICATION	CAUSE	WHAT TO DO	WHAT TO CHECK
CHECK SYSTEM...			
a. with flashing temperature display	a. overtemp/low flow on hour with close /door	CHECK DIAGNOSTIC CODE	Is the box overloaded with warm product? Is the evaporator clean? Is the condenser clean?
b. without flashing temperature display	b. incomplete detection of other problem detected by MCII Tempatrol		The alarm may be silenced by pressing RESET but the problem must be fixed to clear the alarm again.
c. with flashing temperature display and beeping alarm	c. overtemp/low flow 120 hours with close /door		Call a qualified service agent.
d. with flashing temperature of -33°F and beeping alarm	d. sensor failure—unit cannot function and will not run		

MCII Tempatrol® Diagnostic Codes (Reference Chart)

CODE	CLUSE	WHAT TO DO
0	No problem exists	
1	Low evaporator temperature with high superheat, or (freezers only) low superheat with low temperature difference	Check evaporator for frost accumulation Check fans and evaporator air flow Check for frost back to compressor for overcharge Check for leaks Check for possible restriction in capillary tube and dirt or moisture in the system NOTE: Evacuate and recharge after any corrective actions
2	Low superheat with high temperature difference	Check evaporator fans Check for frost on the evaporator coil
3	No superheat with no temperature difference	Check if the compressor is running Check for refrigerant loss
4	Continuous operation with overtemp condition	Check refrigeration system and control system
5	(Freezers only) Defrost terminated on time backup	Check the defrost heater and drain Increase the number of defrosts per day
6	-33°F box sensor or sensor failure	Check wiring connections Repair or replace sensor
7	Microprocessor error	Check MCII Tempatrol control unit

DISCONNECT ALL POWER TO YOUR DELFIELD UNIT BEFORE REPAIRING OR REPLACING THE MICROPROCESSOR OR ANY OTHER MAINTENANCE OR REPAIR FUNCTION

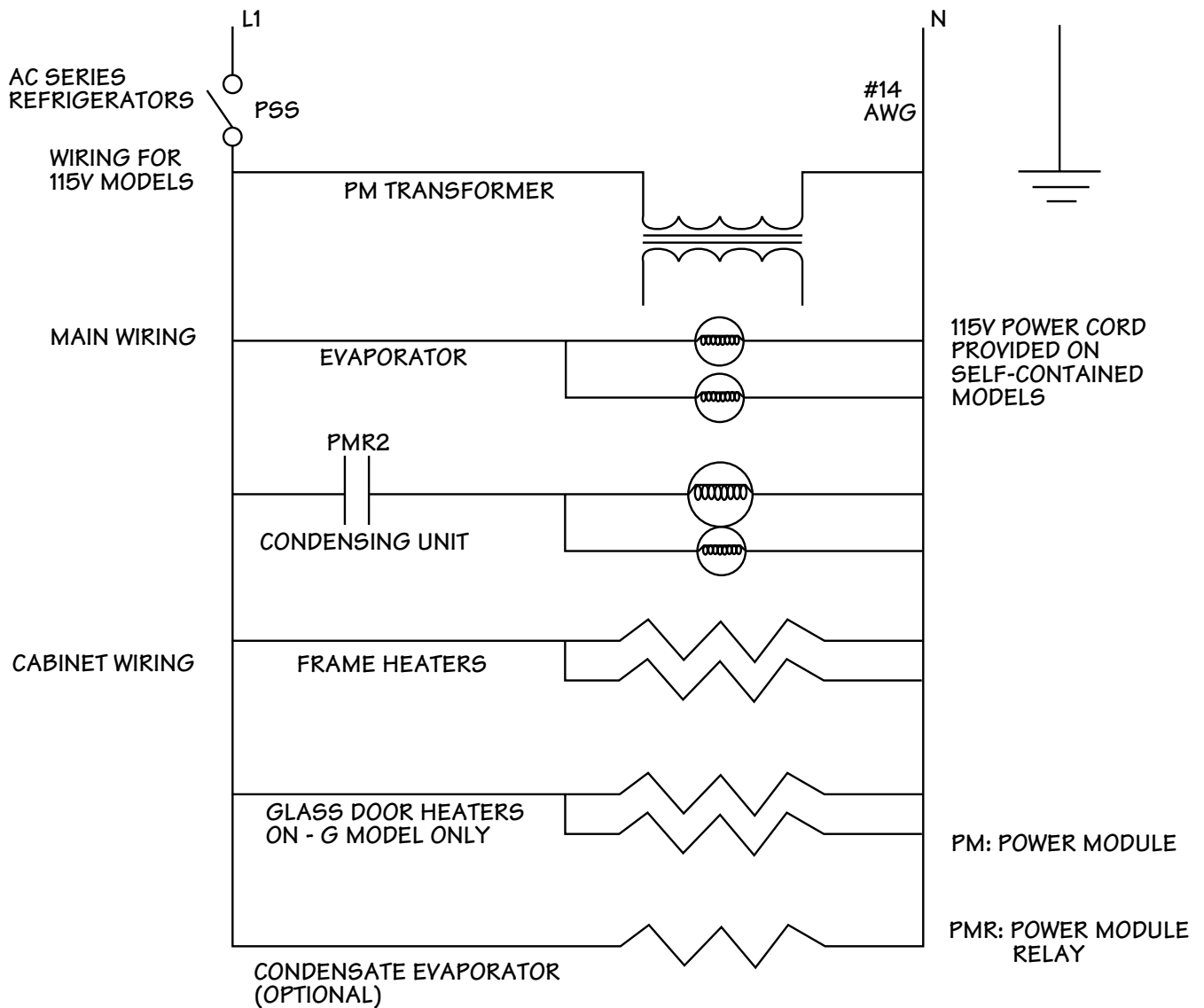
MCII Tempatrol® Display (Reference Chart)

ITEM	METHOD OF CHECKING	NORMAL INDICATOR
Clock	Press TIME	Correct time (check AM/PM setting)
Defrost settings (freezer units only)	1. Press DEFROST 2. Press DEFROST again	1. A, B, E, S or W 2. Time or first defrost cycle (if automatic) (if manual, the temperature display should return)
Temperature setting (setpoint)	Press TEMP	Refrigerator should show 37°F to 40°F (3°C to 4°C) freezer should show -5°F to 0°F (-20°C to -18°C)
Current interior temperature	Press RESET	Temperature should be within 2°F (1°C) of setpoint

MCII Tempatrol® Troubleshooting (Reference Chart)

DEFLECT INDICATION	CAUSE	WHAT TO DO	WHAT TO CHECK
DOOR AJAR... a. with flashing temperature display b. with beeping	Door has been open... a. over one minute b. over three minutes	Close the door. Press RESET for a temporary clear if the door is being held open intentionally.	Is something blocking the door? Is the door being held open longer than is needed?
CLEAN CONDENSER	90-day reminder	Clean the condenser, then press RESET.	Have all maintenance procedures been performed on the unit? Make sure routine maintenance is done regularly for best performance.
DEFROST	Unit is in the defrost cycle	Press RESET to terminate the current defrost cycle.	
DEFROST lights whenever the compressor shuts off	Long duty cycle	Check the unit during a low usage period when defrosting should not be necessary. On refrigerators, excessive defrost cycles can indicate a service problem. If the unit cannot maintain a 37°F/3°C setpoint under low usage conditions, service may be required.	Is the setpoint too low (below 34°F/1°C on refrigerators or -5°F/-21°C on freezers)? Is the condenser clean? Is the room temperature excessively high? Is the unit overloaded with warm products? Is the evaporator clean?
Flashing temperature display... above 32°F/0°C on freezer above 65°F/18°C on refrigerator	Overtemp condition; the unit temperature is significantly over the setpoint.	Keep all doors closed. Watch the unit; let it reach the setpoint temperature.	Was the unit just turned on or restarted? Is the unit overloaded with warm products? Is the evaporator clean? Is the condenser clean? Is there, or has there been, a CHECK SYSTEM indication? Did the unit just finish defrosting?
Flashing temperature display... below 32°F/0°C on freezer below 65°F/18°C on refrigerator	Long duty cycle	Press RESET. Watch the unit; let it reach the setpoint temperature.	Was the unit recently loaded with warm products? Is the room temperature excessively high? Does the display flash again after one hour?
Flashing temperature display returns after one hour	Continuous compressor operation	Press RESET. Watch the unit; let it reach the setpoint temperature. Repeated flashing displays indicate very high compressor activity; service may be required.	Is the setpoint too low (below 34°F/1°C on refrigerators or -5°F/-21°C on freezers)? Is the condenser clean? Is the room temperature excessively high? Is the unit overloaded with warm products? Is the evaporator clean?

ACR-26S Wiring Diagram



Replacement Parts Lists

Bumper, round, gray	323-4223
Caster, 4" diameter, plate w/brakes	323-4221
Coil, evaporator.....	351-6085
Control, MCII display	219-3967
Condensing unit, 1/2 HP, med, 404A.....	352-6731
Control, pressure, high	351-6247
Cord/plug assembly 5-15P	218-3348
Door assembly.....	034-0011
Fan assembly, 8" diameter	216-2687
Gasket, door	170-1147
Handle assembly, rear.....	034-0021
Hinge, bottom half (2)	005-5292
Hinge, top half (2).....	005-5291
Lock.....	323-4416
Louver, back	005-5158
Louver, front	005-5157
Module, power, MCII	219-3987
Switch, rocker.....	219-0154
Valve, expansion, 404A.....	351-6084

Notes:

Standard 1 Year Limited Warranty — 1 year parts, 90 days labor

The Delfield Company (“Delfield”) warrants to the Original Purchaser of the Delfield product (herein called the “Unit”) that such Unit, and all parts thereof, will be free from defects in material and workmanship under normal use and service for a period of one (1) year from the date of shipment of the Unit to the Original Purchaser **or, if the Original Purchaser returns the warranty card completely filled out including the date of installation within thirty (30) days of receipt of the Unit, one (1) year from the date of installation.** During this one year warranty period, Delfield will repair or replace any defective part or portion thereof returned to Delfield by the Original Purchaser which Delfield determines was defective due to faulty material or workmanship. The Original Purchaser will pay all labor, crating, freight and related costs incurred in the removal of the Unit or defective component and shipment to Delfield, except that during a period of either ninety (90) days from the date of shipment of the Unit to the Original Purchaser or, if the Original Purchaser returns the warranty card completely filled out including the date of installation within thirty (30) days of receipt of the Unit, ninety (90) days from the date of installation Delfield will pay all related labor costs. Delfield will pay the return costs if the Unit or part thereof was defective.

The term “Original Purchaser” as used herein means that person, firm, association, or corporation for whom the Unit was originally installed.

This Warranty does not apply to any Unit or part thereof that has been subjected to misuse, neglect, alteration, or accident, such as accidental damage to the exterior finish; operated contrary to the recommendations specified by Delfield; or repaired or altered by anyone other than Delfield in any way so as to, in Delfield’s sole judgment, affect its quality or efficiency. This Warranty does not apply to any Unit that has been moved from the location where it was originally installed. This Warranty also does not cover the refrigerator drier or the light bulbs used in the Unit. **The warranty is subject to the user’s normal maintenance and care responsibility as set forth in the Service and Installation Manual, such as cleaning the condenser coil, and is in lieu of all other obligations of Delfield. Delfield neither assumes, nor authorizes any other person to assume for Delfield, any other liability in connection with Delfield’s products.**

Removal or defacement of the original Serial Number or Model Number from any Unit shall be deemed to release Delfield from all obligations hereunder or any other obligations, express or implied.

Parts furnished by suppliers to Delfield are guaranteed by Delfield only to the extent of the original manufacturer’s express warranty to Delfield. Failure of the Original Purchaser to receive such manufacturer’s warranty shall in no way create any warranty, express or implied, or any other obligation or liability on Delfield’s part in respect thereof.

If shipment of a replacement part is requested prior to the arrival in the Delfield factory of the part claimed to be defective, the Original Purchaser must accept delivery of the replacement part on a C.O.D. basis, with credit being issued after the part has been received and inspected at Delfield’s plant and determined by Delfield to be within this Warranty.

Under no condition does this Warranty give the Original Purchaser the right to replace the defective Unit with a complete Unit of the same manufacturer or of another make. Unless authorized by Delfield in writing, this Warranty does not permit the replacement of any part, including the motor-compressor, to be made with the part of another make or manufacturer.

No claims can be made under this Warranty for spoilage of products for any reason, including system failure.

The installation contractor shall be responsible for building access, entrance and field conditions to insure sufficient clearance to allow any hood(s), vent(s) or Unit(s), if necessary, to be brought into the building. Delfield will not be responsible for structural changes or damages incurred during installation of the Unit or any exhaust system.

Delfield shall not be liable in any manner for any default or delay in performance hereunder caused by or resulting from any contingency beyond Delfield’s control, including, but not limited to, war, governmental restrictions or restraints, strikes, lockouts, injunctions, fire, floods, acts of nature, short or reduced supply of raw materials, or discontinuance of the parts by the original part manufacturer.

Except as provided in any Additional Four Year Protection Plan, if applicable, and the Service Labor Contract, if applicable, the foregoing is exclusive and in lieu of all other warranties, whether written or oral, express or implied. This Warranty supersedes and excludes any prior oral or written representations or warranties. Delfield expressly disclaims any implied warranties of merchantability, fitness for a particular purpose or compliance with any law, treaty, rule or regulation relating to the discharge of substances into the environment. The sole and exclusive remedies of any person relating to the Unit, and the full liability of Delfield for any breach of this Warranty, will be as provided in this Warranty.

Other than this Delfield Standard One Year Limited Warranty, any applicable Delfield Additional Four Year Protection Plan or applicable Delfield Service Labor Contract, the Original Purchaser agrees and acknowledges that no other warranties are offered or provided in connection with or for the Unit or any part thereof.

In no event will Delfield be liable for special, incidental or consequential damages, or for damages in the nature of penalties.

Additional 4 Year Protection Plan — for motor-compressor only

Delfield Model#	Serial#	Installation Date
<input type="text"/>	<input type="text"/>	<input type="text"/>

In addition to the Standard One Year Warranty on the Motor-Compressor contained in the above listed Delfield product (the "Unit"), The Delfield Company ("Delfield") also agrees to repair, or exchange with similar or interchangeable parts in design and capacity at Delfield's option, the defective Motor-Compressor contained in the Unit (the "Motor-Compressor"), or any part thereof, for the Original Purchaser only, at any time during the four (4) years following the initial one (1) year period commencing on the date of installation for the Original Purchaser.

Failure of the Original Purchaser to register the registration card containing the Original Purchaser's name, address, date of installation, model number and serial number of the Unit containing the Motor-Compressor within 30 days from the date of installation shall void this Warranty. This additional Warranty is only available if the Motor-Compressor is inoperative due to defects in material or factory workmanship, as determined by Delfield in its sole judgment and discretion. The Original Purchaser shall be responsible for returning the defective Motor-Compressor to Delfield prepaid, F.O.B. at the address shown on the back cover of this manual.

The term "Original Purchaser" as used herein shall be deemed to mean that person, firm, association, or corporation for whom the equipment was originally installed.

The term "Motor-Compressor" as used herein does not include unit base, air or water cooled condenser, receiver, electrical accessories such as relay, capacitors, refrigerant controls, or condenser fan/motor assembly. This warranty does not cover labor charges incidental to the replacement of parts. This warranty further does not include any equipment to which said condensing unit is connected, such as cooling coils, temperature controls or refrigerant metering devices. This warranty shall be void if the Motor-Compressor, in Delfield's sole judgment, has been subjected to misuse, neglect, alteration or accident, operated contrary to the recommendations specified by the Unit manufacturer, repaired or altered by anyone other than Delfield in any way so as, in Delfield's sole judgment, to affect its quality or efficiency or if the serial number has been altered, defaced or removed. This Warranty does not apply to a Motor-Compressor in any Unit that has been moved from the location where it was originally installed. The addition of methyl chloride to the condensing unit or refrigeration system shall void this warranty.

General Conditions

Delfield shall not be liable in any manner for any default or delay in performance thereunder caused by or resulting from any contingency beyond Delfield's control including, but not limited to, war, governmental restrictions or restraints, strikes, lockouts, injunctions, fire, floods, acts of nature, short or reduced supply of raw material or discontinuance of any part or the Motor-Compressor by the unit manufacturer.

Replacement of a defective Motor-Compressor is limited to one (1) Motor-Compressor by us during the four (4) year period. Delfield shall replace the Motor-Compressor at no charge.

This Warranty does not give the Original Purchaser of the Motor-Compressor the right to purchase a complete replacement Motor-Compressor of the same make or of another make. It further does not permit the replacement to be made with a Motor-Compressor of another kind unless authorized by Delfield. In the event Delfield authorizes the Original Purchaser to purchase a replacement Motor-Compressor locally, only the wholesale cost of the Motor-Compressor is refundable.

Expressly excluded from this warranty are damages resulting from spoilage of goods.

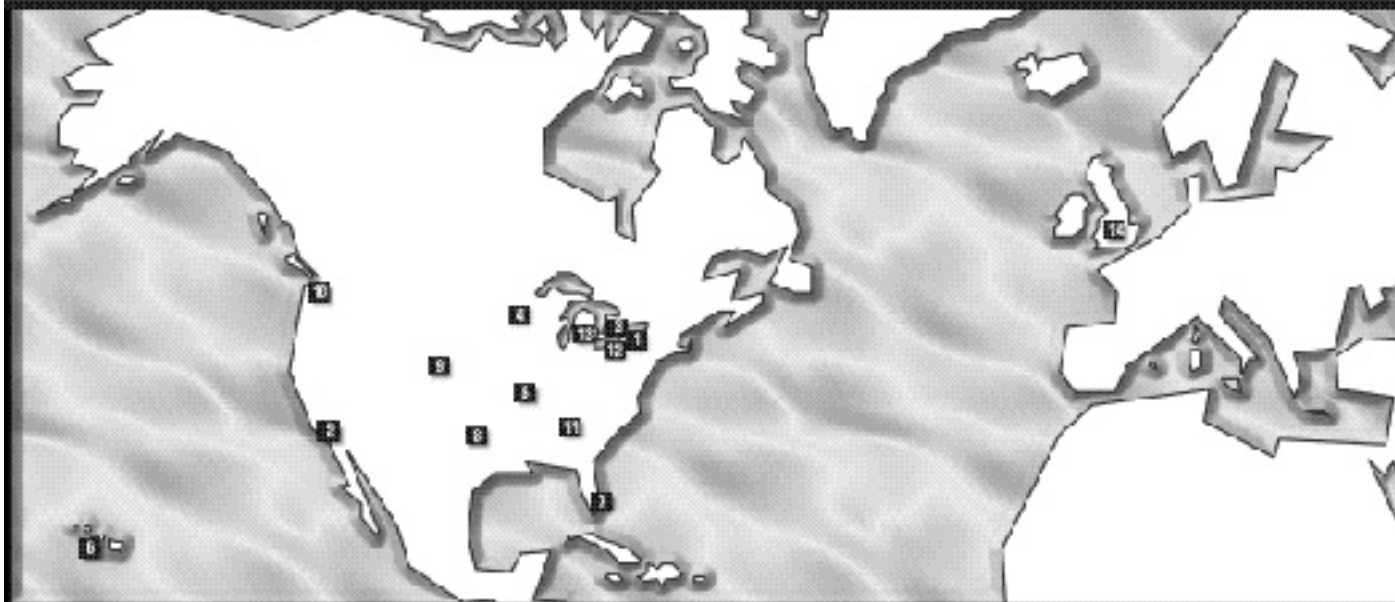
Except as provided in any applicable Standard One Year Limited Warranty or applicable Service Labor Contract, the foregoing is exclusive and in lieu of all other warranties, whether written or oral, express or implied. This Warranty supersedes and excludes any prior oral or written representations or warranties. Delfield expressly disclaims any implied warranties of merchantability, fitness for a particular purpose or compliance with any law, treaty, rule or regulation relating to the discharge of substances into the environment. The sole and exclusive remedies of any person relating to the Motor-Compressor, and the full liability of Delfield for any breach of this Warranty, will be as provided in this Warranty.

Other than any applicable Delfield Standard One Year Limited Warranty, this Delfield Additional Four Year Protection Plan and any applicable Delfield Service Labor Contract, the Original Purchaser agrees and acknowledges that no other warranties are offered or provided in connection with or for the Motor-Compressor or any part thereof.

In no event will Delfield be liable for special, incidental or consequential damages, or for damages in the nature of penalties.

Notes:

Authorized Parts Depots



Appliance Installation & Service

1

1336 Main Street
Buffalo, NY 14209
800.722.1252
716.884.7425
716.884.0410 FAX

services: CT, DC, DE, MA, MD, ME, NH, NJ, NY, PA, RI, VA, VT, WV

Barker's Food Machinery

2

5367 2nd Street
Irwindale, CA 91706
800.258.6999
626.960.9390
626.337.4541 FAX

services: CA, AZ, NV, OR

W. D. Colledge Co., Ltd.

3

6469 Northam Drive
Mississauga, Ontario L4V 1J2
905.677.4428
905.677.5357 FAX

services: Canada

Contract Ice

4

12263 Nicollet Ave. S.
Burnsville, MN 55337
800.422.2823
612.894.4427
612.894.2164

services: IA, MN, MT, ND, SD, WI

E. M. C. O. Sales & Distributors

5

3909 St. Timothy Lane
St. Ann, MO 63074
800.972.7670
314.427.7477
314.427.8190 FAX

services: AR, IA, IL, KS, KY, MO, NE, OK, TN

Food Equip Parts & Service Co.

6

3000 Puuhale Road
Honolulu, HI 96819
808.847.4871
808.842.1580 FAX

services: HI

Global Parts and Supplies

7

2920 NW 109th Avenue
Miami, FL 33172
305.994.9994
305.994.9992 FAX

International parts depot

J & S Refrigeration

8

12613 Executive Drive, #712
Stafford, TX 77477
800.733.3143
281.240.5505
281.240.5519 FAX

services: AR, LA, NM, OK, TX

K. D. Service

9

145 Yuma
Denver, CO 80223
800.444.2249
303.698.2249
303.698.2487 FAX

services: AZ, CO, KS, NE, NM, OK, UT, WY

Restaurant Appliance Service, Inc.

10

7219 Roosevelt Way, N.E.
Seattle, WA 98115
800.433.9390
206.524.8200
206.525.2890 FAX

services: AK, D, MT, OR, WA

Southeastern Restaurant Services

11

2200 Norcross Parkway, Suite 210
Atlanta, GA 30071
800.235.6516
770.446.8177
770.446.3157 FAX

services: AL, R, GA, MS, NC, SC, TN, VA

A. I. S. Commercial Parts & Service

12

1816 West 26th Street
Erie, PA 16508-1149
800.332.3732
814.456.3732
814.452.4843 FAX

services: MD, NJ, OH, PA, VA, WV

The Delfield Company

13

980 South Isabella Road
Mt. Pleasant, MI 48858
800.733.8829
517.773.7981
517.773.3210 FAX

services: IN and MI - custom parts direct from Delfield

Hubbard Refrigeration Ltd.

14

Hill View, Church Road
Suffolk Olney, England IP69NP
011.44.147.389.0129
011.44.147.389.0133 FAX

services: Europe



Post Office box 470
Mount Pleasant, Michigan 48804-0470
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800.733.8821 or 517.773.7981
Customer service FAX 517.773-3210
www.delfield.com