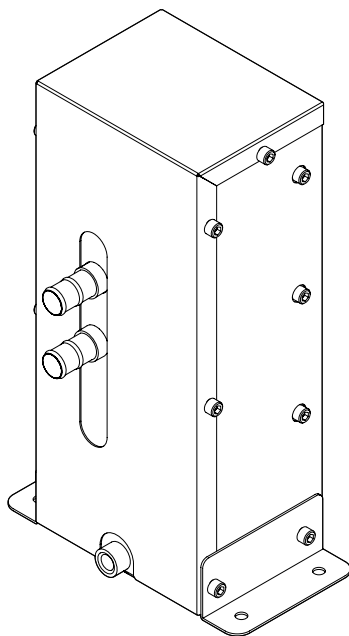




REFRIGERATION

ICE DIVERTER



DVTR

EN	Ice Diverter Installation and Operating Manual..... 3
----	---

 WARNING

Handling recreational marine vessel parts can expose you to chemicals such as phthalates and lead, which can cause cancer and reproductive harm. To minimize exposure, service the vessel outdoors or in a well-ventilated area, wear gloves, and wash your hands. For more information see www.P65Warnings.ca.gov/marine-vessel-parts.

Copyright

© 2026 Dometic Group. The visual appearance of the contents of this manual is protected by copyright and design law. The underlying technical design and the products contained herein may be protected by design, patent or pending patent. The trademarks mentioned in this manual belong to Dometic Sweden AB. All rights are reserved.

English

1	Important notes.....	3
2	Explanation of symbols.....	3
3	Safety instructions.....	3
4	Supplemental directives.....	3
5	Scope of delivery.....	3
6	Target groups.....	3
7	Intended use.....	3
8	Technical description.....	4
9	Installation.....	4
10	Operation.....	7
11	Cleaning.....	8
12	Maintenance.....	8
13	Troubleshooting.....	8
14	Warranty.....	9
15	Disposal.....	9
16	Technical data.....	9

1 Important notes

Please read these instructions carefully and follow all instructions, guidelines, and warnings included in this product manual in order to ensure that you install, use, and maintain the product properly at all times. These instructions MUST stay with this product.

By using the product, you hereby confirm that you have read all instructions, guidelines, and warnings carefully and that you understand and agree to abide by the terms and conditions as set forth herein. You agree to use this product only for the intended purpose and application and in accordance with the instructions, guidelines, and warnings as set forth in this product manual as well as in accordance with all applicable laws and regulations. A failure to read and follow the instructions and warnings set forth herein may result in an injury to yourself and others, damage to your product or damage to other property in the vicinity. This product manual, including the instructions, guidelines, and warnings, and related documentation, may be subject to changes and updates. For up-to-date product information, please visit documents.dometic.com.

2 Explanation of symbols

A signal word will identify safety messages and property damage messages, and also will indicate the degree or level of hazard seriousness.



WARNING!

- > Indicates a hazardous situation that, if not avoided, could result in death or serious injury.



NOTICE!

- > Indicates a situation that, if not avoided, could result in property damage.



NOTE Supplementary information for operating the product.

3 Safety instructions



WARNING! Electrocution hazard

- > This equipment uses 115 V ~ or 230 V ~ power. Before you begin working on the system, ensure all power is turned off. Make sure there's no chance for the power to be accidentally turned on or plugged in.



WARNING! Pinch hazard

- If the ice diverter turns on while the cover is off and someone is working inside, the discharge ports can move and cause pinch injuries.
- > Before taking off the ice diverter cover, make sure the power is turned off.



WARNING! Health hazard

- > The ice made by this system is not safe to eat or drink. Do not eat, chew, suck, swallow, or put the ice in drinks. This ice is only meant for keeping freshly caught fish cold in a fish box.

4 Supplemental directives

To reduce the risk of accidents and injuries, observe the following directives before proceeding to install or operate this appliance:

- Read and follow all safety information and instructions.
- Read and understand these instructions before installing, operating, or performing maintenance on this product.

The installation must comply with all applicable local or national codes, including the latest edition of the following standards:

- ANSI/NFPA70, National Electrical Code (NEC)
- American Boat and Yacht Council (ABYC) E-11 AC and DC Electrical Systems on Boats

5 Scope of delivery

The following components are included:

Quantity	Description
1	Ice Diverter
1	Display PLD Pro small
2	Wall brackets
2	Floor brackets
1	3/8 in drain plug
1	2-3/8 in MPT × 5/8 in drain fittings
1	Ice Diverter actuator power harness
1	Ice machine ice off harness
1	Ice machine box sensor
1	Short installation and operating manual

The following components are needed to complete the system and are not included:

- ¾ in (19 mm) Dometic ice delivery hose



NOTE The Dometic ice delivery hose is reinforced with wire to prevent clogging. Using a different type of hose may lead to ice blockages.

- 5/8 in ID drain hose
- 1-1/8 in (29 mm) ID, ¾ in (19 mm) thick-wall pipe insulation
- Dometic thru-hull fitting large enough to accommodate the ice delivery hose
- 18-22 Red locking fork terminals
- Hose clamps
- Hose straps
- 4 mounting screws

6 Target groups



The mechanical and electrical installation and setup of the device must be performed by a qualified technician who has demonstrated skill and knowledge related to the construction and operation of marine equipment and installations, and who is familiar with the applicable regulations of the country in which the equipment is to be installed and/or used, and has received safety training to identify and avoid the hazards involved.

7 Intended use

The Dometic Ice Diverter, also referred to as the "product", is a device designed to automatically distribute ice from a single ice maker to two separate ice boxes, eliminating the need to manually move ice. The product is specifically designed to be used only in marine boating applications.

This product is only suitable for the intended purpose and application in accordance with these instructions.

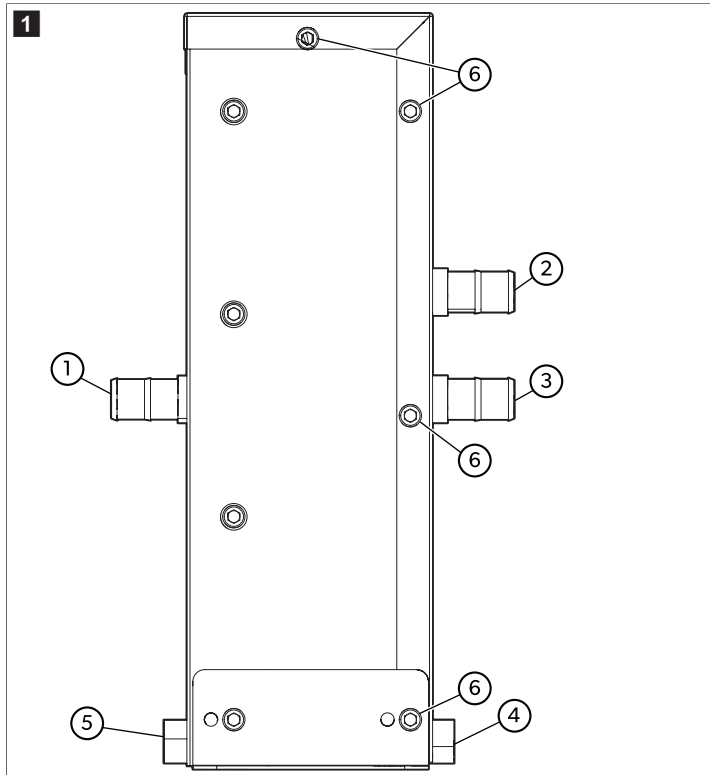
This manual provides information that is necessary for proper installation and/or operation of the product. Poor installation and/or improper operation or maintenance will result in unsatisfactory performance and a possible failure.

The manufacturer accepts no liability for any injury or damage to the product resulting from:

- Incorrect installation, assembly or connection, including excess voltage
 - Incorrect maintenance or use of spare parts other than original spare parts provided by the manufacturer
 - Alterations to the product without express permission from the manufacturer
 - Use for purposes other than those described in this manual
- Dometic reserves the right to change product appearance and product specifications.

8 Technical description

8.1 Component locations



① Ice inlet fitting	④ Drain fitting, front
② Ice outlet fitting, box 1	⑤ Drain fitting, rear
③ Ice outlet fitting, box 2	⑥ Case screws

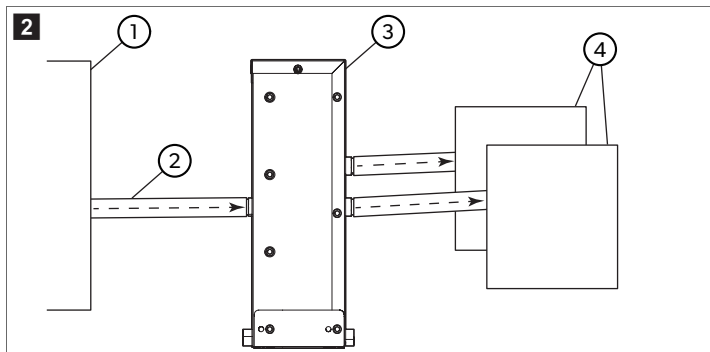
9 Installation

9.1 Tools and materials

Dometic recommends that the following tools and materials be used while installing the product.

Drill	RTV silicone sealant
Drill bit, 23/32 in (19 mm)	Insulation tape
Screwdriver	3/16 in Allen wrench

9.2 Planning the installation



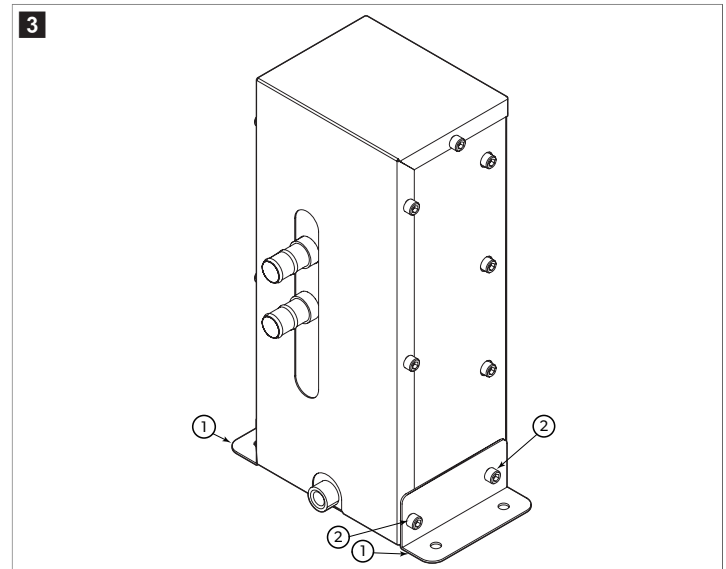
① Ice maker	③ Ice Diverter
-------------	----------------

② Ice delivery hose	④ Ice boxes
---------------------	-------------

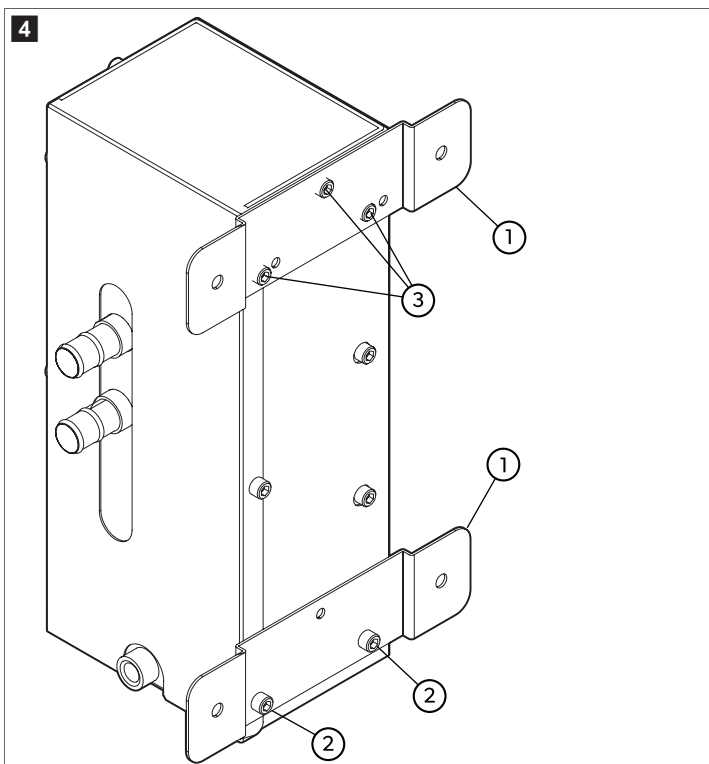
Consider the following when planning the installation:

- The Ice Diverter should be mounted as close to the ice machine as possible.
- The ice delivery hose connecting the ice machine to the Ice Diverter should not exceed a length of 15 ft (457.2 cm).
- The total length of the ice delivery hose, which connects the ice machine to the Ice Diverter and to each ice box, should not exceed a maximum length of 30 ft (914.4 cm).
- The best way to route the ice delivery hose is to make the hose level, with a slight upward rise from the ice maker to the Ice Diverter and then from the Ice Diverter to the ice box. Try to have as few bends as possible. No bend should be tighter than 18 in (457.2 mm).
- Ensure the ice box sensor cables are long enough to reach the Ice Diverter's electrical box.
- Plan to use both drains, if you can.
- The electronic control box must be mounted in a dry location.

9.3 Mounting the diverter



① Floor bracket	② Lower case screws
-----------------	---------------------



①	Wall bracket	③	Upper case screws
②	Lower case screws		

1. Use the case screws to attach the correct brackets to the Ice Diverter.



NOTE Wall brackets can be installed on either side of the Ice Diverter. If the mounting location requires it, you can use a combination of wall and floor brackets.

2. Generously apply RTV silicone sealant to the lower case screws.

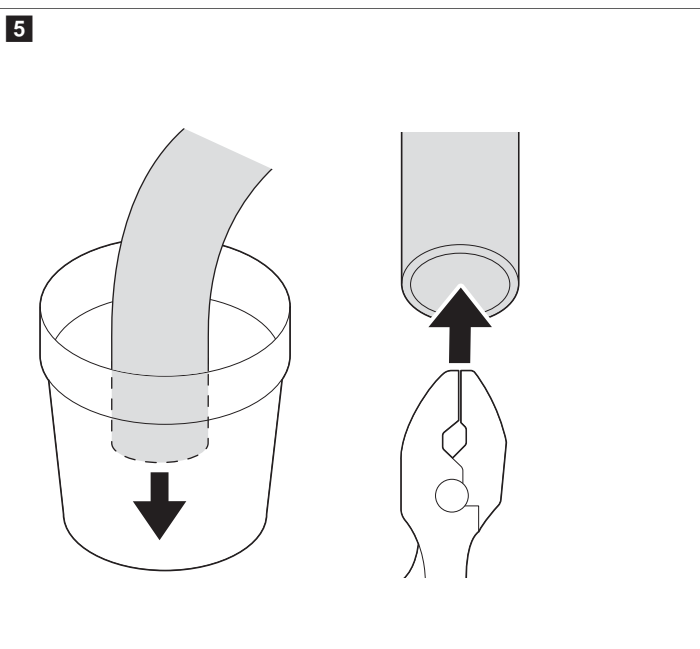


NOTE The drain pan is higher than the lower mounting holes, so it's important to seal these holes to prevent any condensate from leaking.

3. Use mounting screws (not included) to secure the Ice Diverter to the desired location.

9.4 Preparing the hoses

1. Measure and cut a piece of ice delivery hose to connect the ice machine to the Ice Diverter.
2. Measure and cut a piece of ice delivery hose to connect the upper Ice Diverter outlet fitting to the first ice box.
3. Measure and cut a piece of ice delivery hose to connect the lower Ice Diverter outlet fitting to the second ice box.



4. Heat 1.75 in (44.4 mm) of an ice delivery hose end in hot water at 160°F (71°C) or use a heat gun to soften the hose end.



NOTE If you are using a heat gun, be cautious not to overheat the ice delivery hose. Overheating can cause the inner layers of the hose to separate and bunch up at the opening, leading to ice blockage.

5. Stretch the end of the hose by putting pliers inside the tube and opening the pliers to expand the hose as much as possible.
6. Rotate the pliers inside the hose about 1/8 of a turn and open the pliers to expand the hose.
7. Repeat steps 5-6 until the hose opening has been rotated and stretched for at least two full revolutions.
8. Repeat steps 4-7 on the opposite end of the hose.
9. Repeat steps 4-7 for the remaining hose lengths.

9.5 Connecting the hoses



NOTICE! Water damage to the auger motor not covered by warranty

> To prevent sweating and dripping from uninsulated parts, make sure the insulation on the ice delivery hose at the ice machine end fully covers the ice discharge tube and extends all the way to the evaporator after you have installed the two clamps.

1. If needed, mount a thru-hull fitting in each ice box to use as the ice delivery opening.



NOTE The ice delivery opening should be placed as high as possible in the ice box. See *Installing the sensors* on page 6.

2. Install thick-wall pipe insulation on the full length of all the ice delivery hoses.



NOTE The entire length of the ice delivery hose, from the ice machine discharge at the evaporator to the Ice Diverter, and from the Ice Diverter to the ice box, must be insulated with no exposed sections. If not properly insulated, condensation and water dripping will occur.

3. Connect one end of the appropriate ice delivery hose to the ice machine. Connect the other end to the ice inlet fitting on the Ice Diverter.



NOTE Be sure to use the correct ice delivery hose section as measured in *Preparing the hoses* on page 5.

4. Secure both ends of the ice delivery hose with two hose clamps.
5. Connect one end of the ice delivery hose to the Ice Diverter. Connect the other end to the ice delivery opening in the first ice box.

6. Secure both ends of the ice delivery hose with two hose clamps.
7. Connect one end of the ice delivery hose to the Ice Diverter. Connect the other end to the ice delivery opening in the second ice box.
8. Secure both ends of the ice delivery hose with two hose clamps.
9. Tape and seal all insulation joints.
10. Securely strap the ice delivery hoses to the bulkhead every 12 in (304.8 mm). Make sure the hoses are not kinked, flattened, oval-shaped, or crushed, as any obstructions will hinder the free flow of ice.



NOTE The ice delivery hoses will be much heavier when they are filled with ice.

9.6 Installing the drains

Install both drains if possible. During conditions of high temperature and humidity, condensate and ice melt may be produced at a rate of about 0.5 gal/hr (1.89 L/h) or more.

1. Connect the drain hose to a drain fitting on the Ice Diverter.
2. Secure the drain hose with a hose clamp.
3. Route the drain hose downwards to a sump.



NOTE Make sure the drain hose is lower than the Ice Diverter drain pan. See Component locations on page 4.



NOTE Do not route the drain to the bilge.

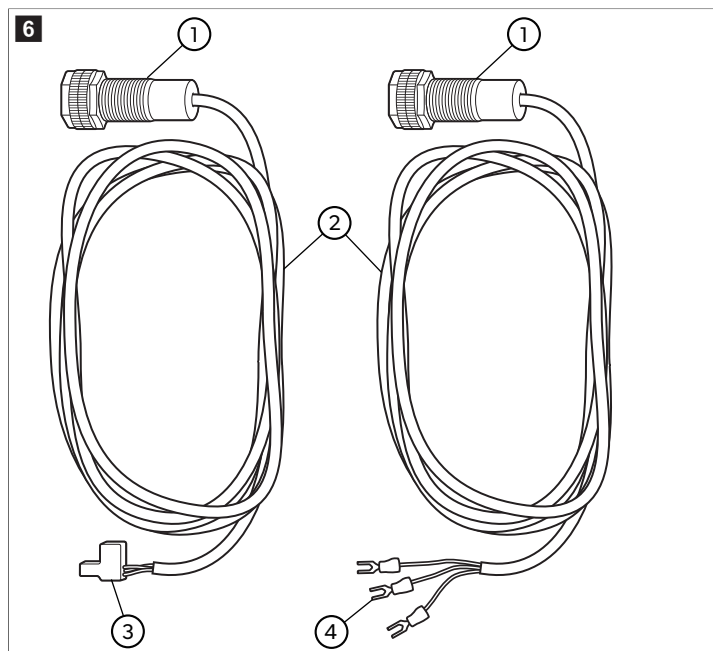
4. If installing both drains, repeat steps 1–3 for the other drain.
5. If not installing both drains, insert the drain plug in the other drain.
6. Test that the drain(s) flow properly. See Maintenance on page 8.
7. Securely strap the drain hoses to the bulkhead.

9.7 Installing the sensors

The ice sensors prevent overflow by halting ice production once the ice in the storage box reaches the sensor's level.



NOTE The Eskimo Ice Maker EI540D or EI1000 will not work unless the sensor is installed in the ice box and the Ice Diverter power is turned on.



①	Ice box sensor	③	Green plug
---	----------------	---	------------

②	Cable	④	18-22 Red locking fork connectors
---	-------	---	-----------------------------------

1. Remove the green plug from the ice box sensor that came with the ice machine.



NOTE The green plug will be reused for the ice off harness.

2. Attach a fork connector to each of the white, brown, and blue wires.



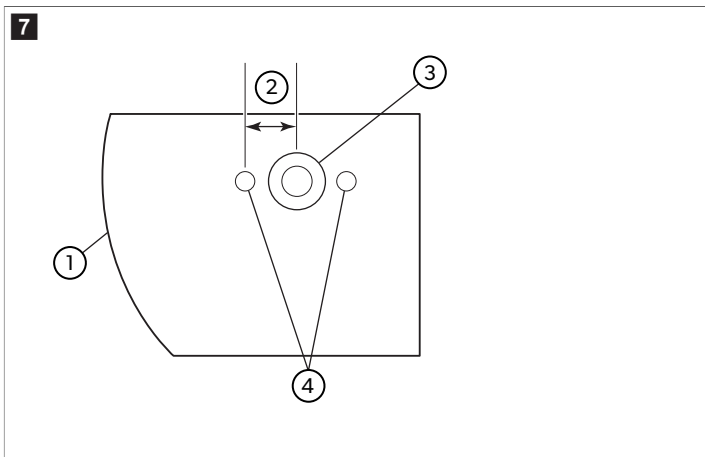
NOTE The black wire is not used.

3. Cut the black wire off at the harness outer cover.



NOTE The black wire may not be visible.

4. Attach the green plug onto the ice off harness end that is opposite the fork ends. Refer to Wiring diagram on page 10 and the Eskimo ice control board.



①	Ice box	③	Ice delivery opening
②	2.5 in (63.5 mm) ... 3 in (76.2 mm)	④	Ice box sensor location options

5. Select the ice box sensor location.
6. Drill a 23/32 in (19 mm) hole.
7. Unscrew the lock nut and remove from the ice box sensor.
8. Insert the ice box sensor through the hole.
9. Use the lock nut to secure the ice box sensor to the ice box.
10. Apply a marine-grade sealant around the hole to prevent water leaks.



NOTE Consider using a removable sealant for the ice box sensor, as you may need to remove it in the future.

11. Route the ice off cable from the Ice Diverter's electrical box to the ice maker's electrical box and connect to the ice box sensor terminals.



NOTE See Wiring diagram on page 10.

12. Check that the ice delivery hose is still firmly connected to both the auger and the Ice Diverter.
13. Repeat steps 3–10 to install the ice box sensor in the second ice box.

9.8 Installing the electronic control box

1. Mount the electronic control box in a dry location.
2. Wire the electronic control box. See Wiring diagram on page 10.

9.9 Testing the system



NOTICE! Damage hazard

Ice can block the ice delivery hose, potentially damaging the auger in the ice machine.

- > Make sure the ice delivery hose between the ice machine and the Ice Diverter is secure and properly routed.

1. Perform the start-up test according to the manufacturer's instructions for the ice maker.
2. Ensure the ice delivery hose connections remain properly secured during the ice delivery process.
3. If needed, tighten the connections or reroute the ice delivery hoses. See Connecting the hoses on page 5.
4. Set the system to auto mode to enable continuous ice production until both ice boxes are completely filled. See Setting auto mode on page 7.
5. Ensure that the ice sensors correctly stop or redirect the ice delivery when the ice box reaches the specified fill level.
6. Relocate the ice sensors if needed. See Installing the sensors on page 6.

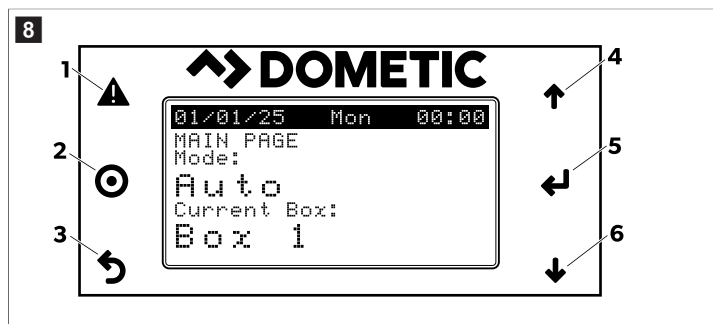
10 Operation



CAUTION! Pinch hazard

- > Keep your fingers away from the ice outlet tubes during ice production and distribution.

10.1 Understanding the controls



① Alarm (not used)	④ Up
② Program (not used)	⑤ Enter
③ Escape	⑥ Down

The **MAIN PAGE** shows the current mode and current ice box.

The ice box sensors have a built-in delay mechanism. They must be blocked for 5 seconds before the Ice Diverter will change boxes or stop making ice. This delay helps prevent accidental actions from temporary blockages, like a hand in the box, ice moving during transport, or manually moving ice with a scoop or bucket. By ensuring the sensor is blocked for 5 seconds, the system avoids changing or shutting down too early.

The ice machine waits for 30 seconds after the Ice Diverter controller signals to stop making ice. When an ice box is full, the Ice Diverter control display will show **FULL**.

10.2 Understanding modes

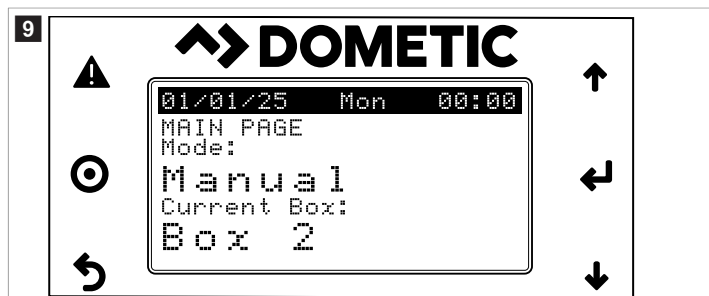
Mode	Description
Manual	The ice box is selected manually. When the selected ice box is full, the Ice Diverter controller signals the ice machine to stop making ice.
Auto	The ice machine sends ice to the current ice box until the box is full. Then, the Ice Diverter sends ice to the other ice box until that ice box is full. The Ice Diverter will change back and forth to keep both ice boxes full. When both ice boxes are full, the Ice Diverter controller signals the ice machine to stop making ice.

Mode	Description
Priority	An ice box is chosen to be filled first. When that ice box is full, the Ice Diverter sends ice to the other ice box. If the priority box isn't full anymore, the Ice Diverter switches back to filling the priority box, even if the other ice box isn't full yet. When both ice boxes are full, the Ice Diverter controller signals the ice machine to stop making ice.

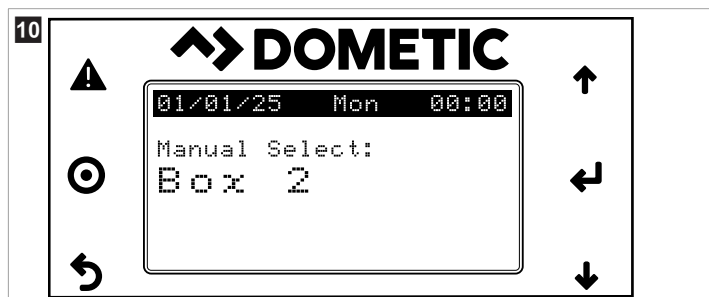
10.2.1 Setting manual mode

The **MAIN PAGE** shows the current mode and current ice box.

1. Tap .
- ✓ The cursor blinks over the first character of the current mode.
2. Tap or to cycle through available modes.



3. Tap to select **Manual**.



4. Tap to open the **Manual Select** page.
5. Tap .
6. Tap or to select an ice box.
7. Tap .
8. Tap to return to the **MAIN PAGE**.

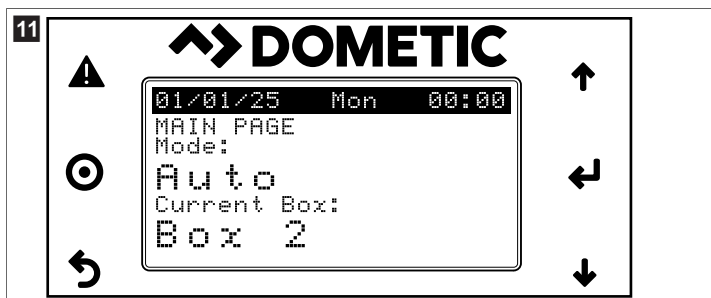
10.2.2 Setting auto mode

The **MAIN PAGE** shows the current mode and current ice box.



NOTE To set a specific ice box for auto mode to start with, first select the desired ice box while in manual mode. See Setting manual mode on page 7.

1. Tap .
- ✓ The cursor blinks over the first character of the current mode.
2. Tap or to cycle through available modes.

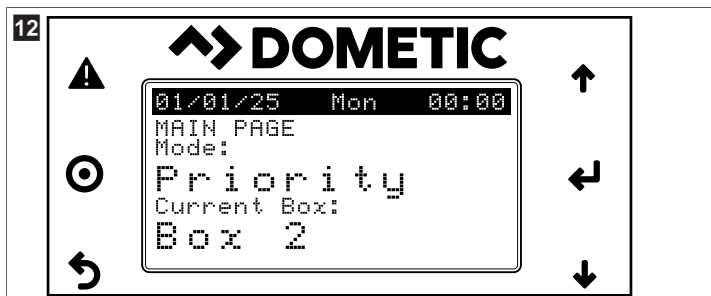


3. Tap to select **Auto**.
4. Tap to return to the **MAIN PAGE**.

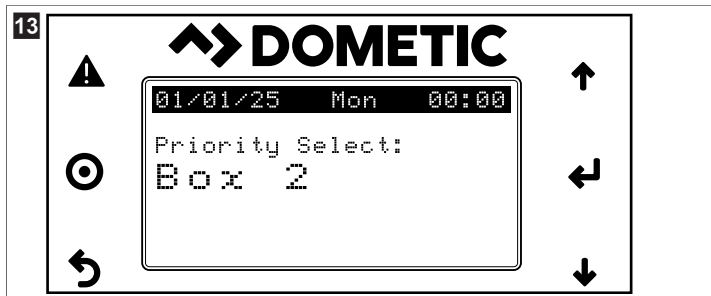
10.2.3 Setting priority mode

The **MAIN PAGE** shows the current mode and current ice box.

1. Tap .
- ✓ The cursor blinks over the first character of the current mode.
2. Tap or to cycle through available modes.



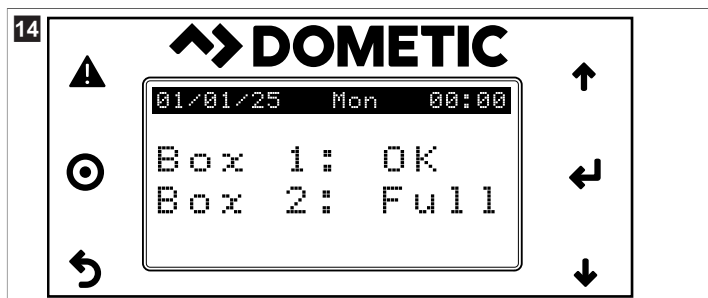
3. Tap to select **Priority**.



4. Tap to open the **Priority Select** page.
5. Tap .
6. Tap or to select an ice box.
7. Tap .
8. Tap to return to the **MAIN PAGE**.

10.3 Viewing the ice box status

The **MAIN PAGE** shows the current mode and current ice box.



- Tap to open the box status page.

Ice box status	Description
OK	Can be filled
Full	Full

11 Cleaning



NOTICE! Damage hazard

- > Only use aluminum-safe cleaning agent to clean the drain pan and drain hose(s).

1. Prepare the cleaning agent using the manufacturer's instructions.
2. Run the cleaning solution through the drain hose(s) and drain pan using the steps in *Maintenance* on page 8.
3. Rinse the drain hose(s) with clean water until the water runs clear.
4. If the drain is still not flowing properly, remove the ice delivery hoses from the ice outlets.
5. Remove the screws securing the front cover.
6. Inspect the drain pan and drains for any obstructions and remove, if necessary.
7. Replace the front cover and secure using the case screws.
8. Reattach the ice delivery hoses. See *Preparing the hoses* on page 5.
9. Rinse the drain hose(s) with clean water until the water runs clear.

12 Maintenance

Perform the following tasks periodically.

- > Check that the drains are flowing properly.
 - a) If one drain is in use, go to step 2. If both drains are in use, go to step 6.
 - b) Raise the drain hose higher than the drain pan.
 - c) Pour 8 fl oz (537 mL) of water into the drain hose.
 - d) Lower the hose and see if the water runs freely.
 - e) If the outflow seems slow or restricted, clean the drain. See *Cleaning* on page 8.
 - f) If two drains are in use, pour water into one drain hose and see if the water runs freely from the other drain hose.
 - g) If the outflow seems slow or restricted, clean the drain. See *Cleaning* on page 8.
- > Inspect the ice delivery hoses for any dips or sagging. See *Planning the installation* on page 4.
- > Verify that all ice hose delivery clamps are tight.

13 Troubleshooting

Problem	Possible cause	Suggested remedy
Condensation has formed on the product's cover.	Condensation is a normal occurrence and can vary based on environmental conditions and humidity levels.	No action is required.

Problem	Possible cause	Suggested remedy
Water is leaking from the bottom of the product's casing.	The drain(s) might be blocked.	Check the drain(s) to ensure they are flowing correctly. See <i>Maintenance</i> on page 8. Clean if necessary. See <i>Cleaning</i> on page 8.
	The outlet of the drain hose might be positioned higher than the drain pan.	Check the routing of the drain hose.
	The RTV silicone sealant was not applied to the lower case screws during mounting.	Apply sealant to the lower case screws. See <i>Mounting the diverter</i> on page 4.

Problem	Possible cause	Suggested remedy
The product is not switching the ice delivery between boxes as expected.	The product is not receiving power.	Check the wiring for loose connections.
	The display is not turning on.	Ensure the display cable is securely connected and fully inserted.
	The display menu might have the wrong function selected.	Verify that the correct function is selected.
	The product might be wired incorrectly.	Ensure that all wires and connectors are correctly installed. See <i>Wiring diagram</i> on page 10.

Problem	Possible cause	Suggested remedy
The product places ice in the wrong ice box.	The sensors are incorrectly wired on the terminal strip of the power box.	Ensure the sensors are properly connected. See <i>Wiring diagram</i> on page 10.

Problem	Possible cause	Suggested remedy
An ice delivery hose or drain hose has become detached.	The end of the ice delivery hose was not stretched prior to installation.	Stretch the end of the ice delivery hose. See <i>Connecting the hoses</i> on page 5.
	Two hose clamps were not used to secure the ice delivery hose.	Use two hose clamps to secure the ice delivery hose. See <i>Connecting the hoses</i> on page 5.

Problem	Possible cause	Suggested remedy
Condensation is dripping from the ice delivery hoses.	The ice delivery hoses lack proper insulation.	Insulate all the ice delivery hoses, ensuring that all joints are taped and sealed. This should be done from the ice machine output to the product and to the ice boxes.
The ice machine displays full but one or both ice boxes is not full.	The Ice Diverter is not powered on.	Turn the power on to the Ice Diverter.
	Ice has built up at the inlet, preventing more ice from entering the ice box.	Move the ice away from the inlet

14 Warranty

Limited warranty available at qr.domestic.com/bfneEw. If you have questions, or to obtain a copy of the limited warranty free of charge, contact:

DOMETIC CORPORATION
MARINE CUSTOMER SUPPORT CENTER
2000 NORTH ANDREWS AVENUE
POMPANO BEACH, FLORIDA, USA 33069
1-800-542-2477

15 Disposal



Place the packaging material in the appropriate recycling waste bins, wherever possible. Consult a local recycling center or specialist dealer for details about how to dispose of the product in accordance with the applicable disposal regulations.

16 Technical data

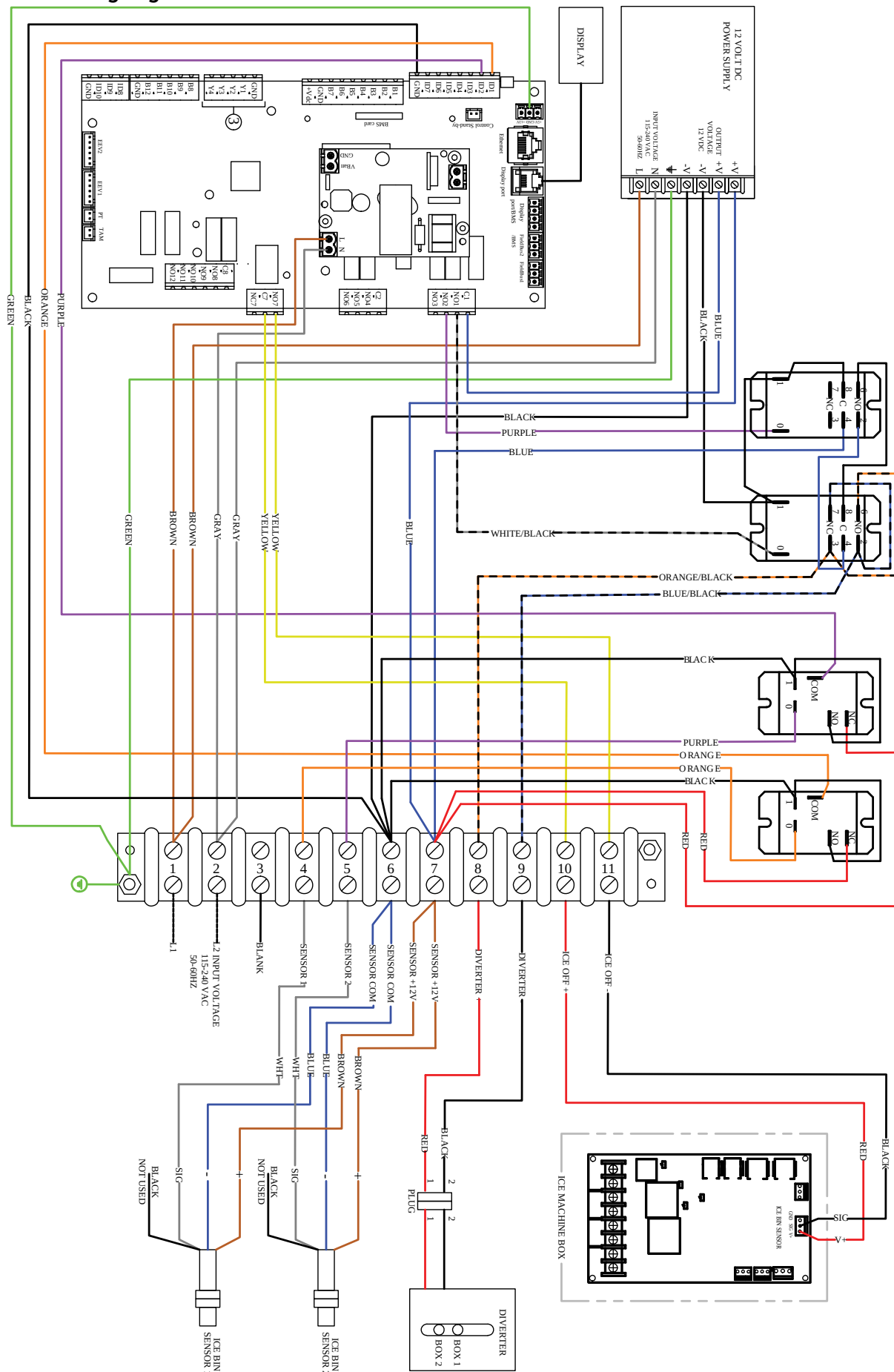
16.1 Compatibility

Ice maker	Model
Eskimo Ice	EI1000, EI540D

16.2 Specifications

Input voltage	115 V or 230 V 50 Hz / 60 Hz
Dimensions, not including hoses	6.79 in (172.5 mm) × 8.5 in (215.9 mm) × 15.77 in (400.6 mm)

16.3 Wiring diagram





dometic.com

**YOUR LOCAL
DEALER**

dometic.com/dealer

**YOUR LOCAL
SUPPORT**

dometic.com/contact

**YOUR LOCAL
SALES OFFICE**

dometic.com/sales-offices

A complete list of Dometic companies, which comprise the Dometic Group, can be found in the public filings of:
DOMETIC GROUP AB • Hemvärnsgatan 15 • SE-17154 Solna • Sweden