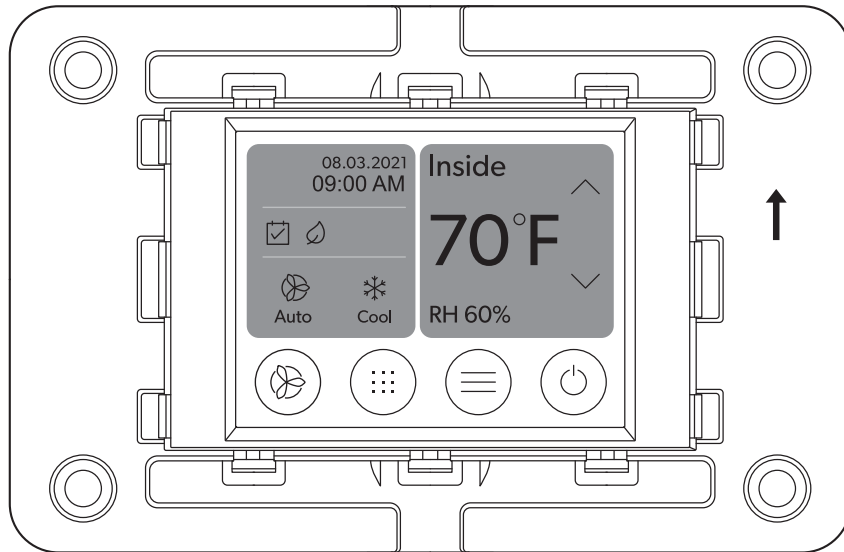


↗ DOMETIC CLIMATE CONTROL

TOUCH SCREEN THERMOSTAT DISPLAY



VMD2.5 Display

EN	Marine Air Conditioner Display	
	Installation and Operating manual.....	3

⚠ WARNING
Cancer and Reproductive Harm www.P65Warnings.ca.gov

Copyright

© 2023 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 be patent pending. The trademarks mentioned in this manual belong to Dometic Sweden AB. All rights are reserved.

English

1	Important notes.....	3
2	Explanation of symbols and safety instructions.....	3
3	Intended use.....	4
4	General information.....	4
5	Specifications.....	5
6	Pre-installation.....	5
7	Installation.....	6
8	Operation.....	7
9	Troubleshooting.....	16
10	Disposal.....	20
11	Warranty.....	20

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 and safety instructions

This manual has safety information and instructions to help you eliminate or reduce the risk of accidents and injuries.

2.1 Recognize safety information

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



WARNING! This is a safety alert symbol.

It is used to alert you to potential physical injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

2.2 Understand signal words

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!

Used to address practices **not** related to physical injury.



Note Indicates additional information that is not related to physical injury.

2.3 Supplemental directives

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

- Read and follow all safety information and instructions.
- Read and understand these instructions before installing or operating this product.
- American Boat and Yacht Council (ABYC)
- ANSI/NFPA 70, National Electrical Code (NEC)

2.4 General safety messages



WARNING! ELECTRICAL SHOCK, FIRE and/or EXPLOSION HAZARD.

Failure to obey this warning could result in death or serious injury.

- Use only Dometic replacement parts and components that are specifically approved for us with the product.
- Avoid improper installation, adjustment, alterations, service, or maintenance of the product. Service and maintenance **must** be done by a qualified service person only.
- Do **not** modify this product in any way. Modification can be extremely hazardous.

3 Intended use

The VMD2.5 Display (hereinafter referred to as display or product) is the control interface for operating compatible marine air conditioning systems. This display is only suitable for the intended purpose and application in accordance with these instructions.

- Incorrect 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

4 General information

This section describes the package contents, recommended tools for installation, compatible marine air conditioner models, and available features.



Note The images used in this document are for reference purposes only. Components and component locations may vary according to specific product models. Measurements may vary ± 0.4 in (10 mm).

4.1 Scope of delivery

This section describes the parts included with the display. Optional parts can be purchased separately.

Included parts	Quantity
VMD2.5 display	1
#6 x 3/4 in. self-tapping screws	4
Installation and operation manual	1
Optional parts	Quantity
Bezel	1
Display cable	50.0 ft (15.24 m)



Note A 25.0 ft (7.62 m) display cable is included with the marine air conditioner.

4.2 Tools

Dometic recommends that the following tools be used when installing the display.

Screwdriver/bit	Drill
Marker	Sabre saw/multi-tool saw

4.3 Display dimensions

	Width	Height
Display with bezel	4.7 in (119 mm)	3.3 in (84 mm)

4.4 Compatibility

This display is compatible with TX-series marine air conditioners.

4.5 Available modes and features

This section lists the available modes, functions, and features. Refer to the Operation on page 7 section for details.

Modes	Features
<ul style="list-style-type: none"> • Cool • Heat • Auto • Fan only 	<ul style="list-style-type: none"> • Eco mode • Quiet mode • Scheduler can run up to four programs • Selectable set point differential settings • Selectable fan and pump operating speeds • Adjustable low and high fan speeds • Auxiliary electric heater connection/control • Auto power source detection/management • Zone assignment • Filter hour counter/notification • Display units in imperial or metric measurements • Screen lock out • Active alarm indicator

5 Specifications

This section lists the operating specifications for the display.

Ambient operating temperature range	-0.4 °F (-18 °C) ... 179.6 °F (82 °C)
Maximum Rh conditions	99% Non-condensing
Set point operating range	65 °F (18 °C) ... 85 °F (29 °C)
Ambient temperature display range	5 °F (-15 °C) ... 132 °F (56 °C)
Sensor accuracy	± 2 °F at 77 °F (± 33.8 °F (1 °C) at 77 °F (25 °C))
Supply voltage type	12 VDC

6 Pre-installation



WARNING! ELECTRICAL SHOCK, FIRE, AND/OR EXPLOSION HAZARD.

Failure to obey the following warnings could result in death or serious injury:

- Prior to cutting or drilling, disconnect the power supply.
- Verify that there are no obstacles such as wires or pipes inside the cabin's walls at the display mounting location.



NOTICE!

Do **not** locate the display panel in direct sunlight, near any heat-producing appliances, or in a bulkhead where temperatures radiating from behind the panel may affect performance.

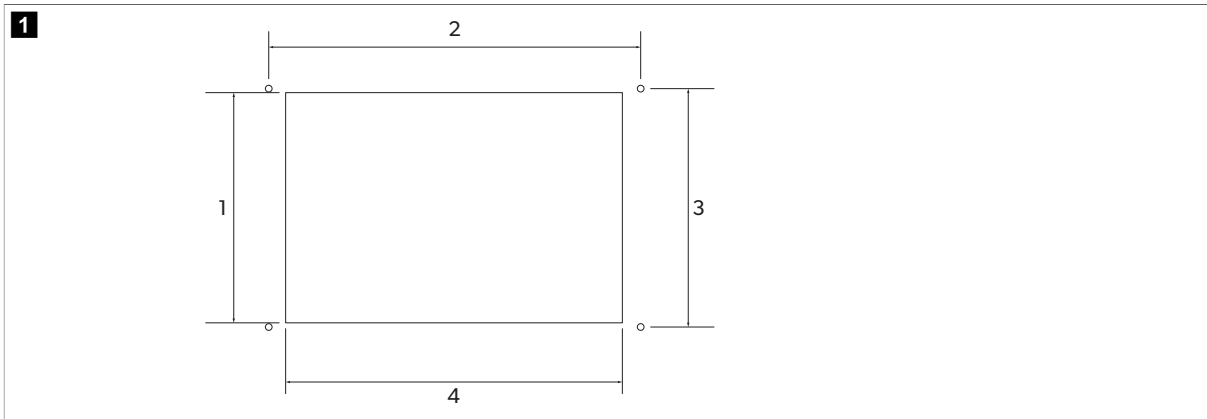
This section describes the actions to complete prior to installing the display.

6.1 Choosing the display location

- Inside wall of the cabin, out of direct sunlight
- Slightly higher than mid-height of the cabin wall
- An area with freely circulating air
- A maximum distance of 75.0 ft (22.86 m) from the air conditioner

6.2 Preparing the mounting location

1. Disconnect the power supply.



1 1.9 in (49 mm)

3 2.2 in (55 mm)

2 3.5 in (88 mm)

4 2.9 in (74 mm)

2. Mark the dimensions of the opening and the screw hole locations on the cabin wall.
3. Cut out the opening.
4. Drill four screw holes.

7 Installation



NOTICE!

Do **not** use a screw gun and do **not** overtighten the screws when mounting the display.

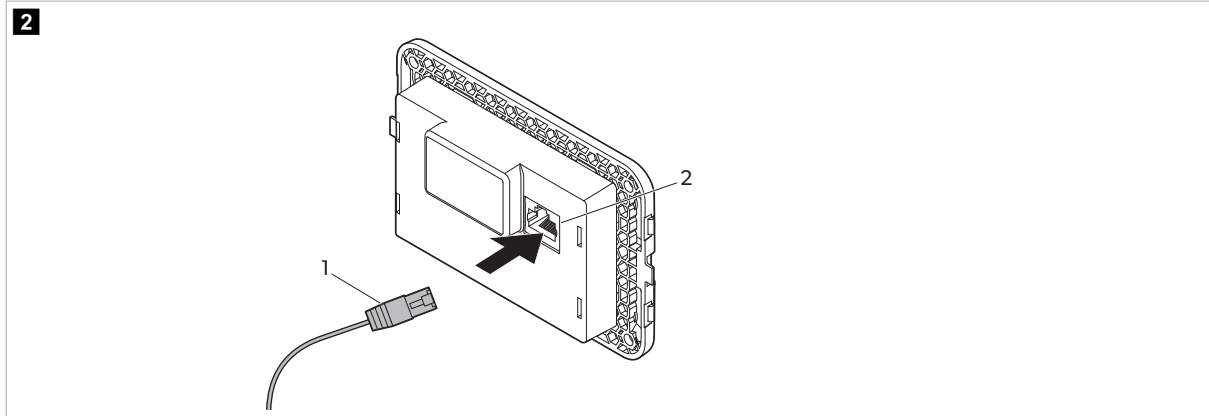


NOTICE!

Do **not** staple sensor cables during installation.

This section describes how to install the display.

1. Route one end of the display cable through the electrical control box of the air conditioner and plug it into the jack on the circuit board.



1 Display cable

2 Jack

2. Route the other end of the display cable through the wall opening and plug it into the jack on the back of the display.
3. Use the screws to secure the display to the cabin wall.
4. Snap the bezel (optional) onto the display.

8 Operation



WARNING! ELECTRICAL SHOCK.

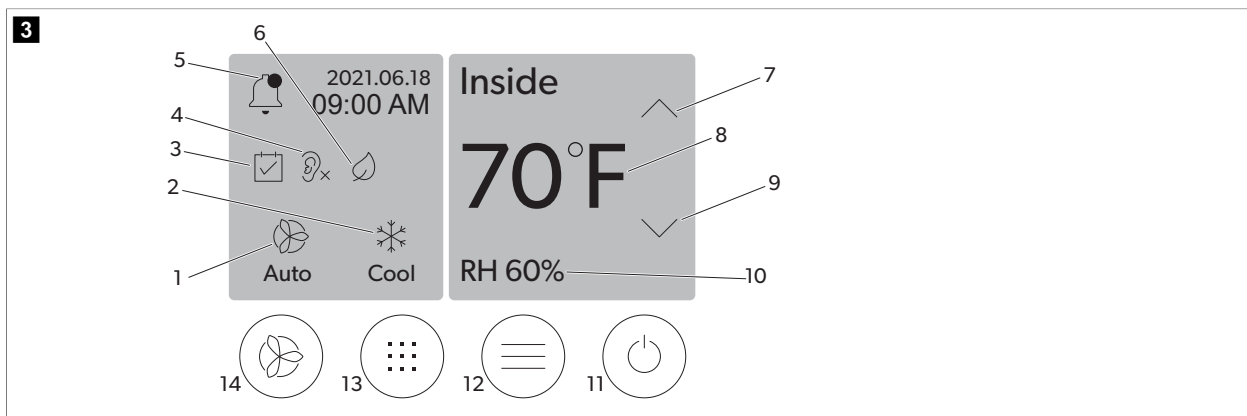
Failure to obey this warning could result in death or serious injury.

The display remains powered when the power control is off. Disconnect the power supply prior to performing any maintenance on the display.

This system utilizes variable speed technology, which allows the compressor to operate for long periods instead of constantly cycling on and off. The benefits include increased reliability, reduced energy consumption, improved de-humidification, and lower operating noise levels.

8.1 Home screen







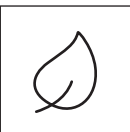
This section shows the location of the controls and status indicators on the Home screen and describes their use.



- | | | | |
|---|-------------------------|----|---------------------------------|
| 1 | Fan speed indicator | 8 | Temperature/set point indicator |
| 2 | Mode indicator | 9 | Temperature down control |
| 3 | Scheduler indicator | 10 | Relative humidity indicator |
| 4 | Quiet mode indicator | 11 | Power control |
| 5 | Alarm indicator/control | 12 | Main menu control |

6	Eco mode indicator	13	Mode control
7	Temperature up control	14	Fan speed control

Table 1: Home screen controls and status indicators

Icon	Control/indicator	Description
--	Mode indicator	The mode icon shows the current operating mode. The icon is animated when the compressor is running and static when it is not running. The icon flashes when the compressor cycles off and enters a three-minute delay mode before it can cycle back on.
 Cool	Mode: Cool	The system will run a cooling cycle when the cabin temperature rises above the cooling set point by the set point differential. The default set point differential is 2 °F (1.1 °C). Refer to Parameters on page 11 to learn how to adjust the set point differential.
 Heat	Mode: Heat	The system will run a heating cycle when the cabin temperature falls below the heating set point by the set point differential. The system will cycle off when the temperature set point is exceeded by 1 °F (0.6 °C). Refer to Parameters on page 11 to learn how to adjust the set point differential.
--	Mode: Auto	The system will automatically switch between a cooling and a reverse (heating) cycle depending on whether the cabin temperature goes above or below the set point by 4 °F (2.1 °C).
--	Mode: Fan only	The system will run the fan to circulate the air continuously turning on the compressor.
 Auto	Fan speed indicator	The indicator shows the selected fan speed. In modes other than Fan Only, the indicator shows Auto, indicating that the fan speed is following the compressor speed. This is the ideal setting for true variable capacity performance. The icon is animated when the fan is running and static it is not running. Refer to Parameters on page 11 to learn how to adjust the low and high fan speeds.
	Scheduler indicator	The indicator appears when a scheduled program is active. Refer to Scheduler mode on page 11 to learn how to turn Scheduler mode on/off and set up and run programs.
	Alarm indicator/control	This indicator appears when there is an active alarm. Clearing the alarm notification does not resolve the alarm. The alarm notification will reappear on the Home screen until the problem is resolved. Refer to Troubleshooting on page 16 for information on resolving alarms. <ul style="list-style-type: none"> • Tap the Alarm indicator to display the current alarm. • If there are more than two alarms, tap the Up Arrow and Down Arrow to navigate through the Alarm list. • Tap an alarm from the list to view the details. • Tap CLR to clear an individual alarm from the Alarm Details screen.
	Quiet mode indicator	The indicator appears when the function is active. Refer to Quiet mode on page 10 to learn how to turn Quiet mode on/off and adjust the set point.
	Eco mode indicator	The indicator appears when the function is active. Refer to Eco mode on page 10 to learn how to turn the mode on/off and adjust the set point.



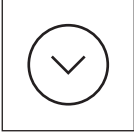

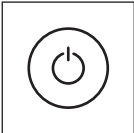
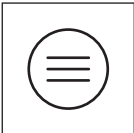
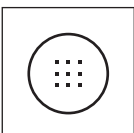
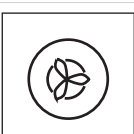
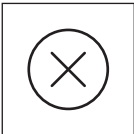
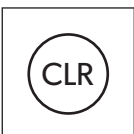

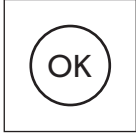

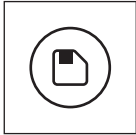

Icon	Control/indicator	Description
	Up arrow	Tap to raise the temperature on the Home screen. On other screens, tap to navigate to the previous menu and/or raise a numerical value.
	Temperature/set point indicator	The indicator displays the new temperature set point while the temperature set point is adjusted with the Up Arrow or Down Arrow, then displays the temperature in the cabin.
	Down arrow	Tap to lower the temperature on the Home screen. On other screens, tap to navigate to the next menu and/or lower a numerical value.
	Relative humidity indicator	The indicator displays the relative humidity in the cabin if a humidity sensor is installed.
	Power control	The power button turns the system on or off. When on, the system will run in the selected mode when the cabin temperature is higher (Cool mode) or lower (Heat mode) than the set point. When off, the system will not run although it will stay in communication with the network (if present). Tap and hold to toggle the power on or off.
	Main menu control	The Main menu is used to set up, schedule, and troubleshoot the system. Tap to display the first Main menu screen, then tap the Down Arrow to display the second Main Menu screen.
	Mode control	Tap to cycle through Cool, Heat, Auto, and Fan Only.
	Fan speed control	This control is only available when the system is in Fan Only mode. Refer to Parameters on page 11 to learn how to adjust the fan speed settings. Tap to cycle through the fan speeds: Low, Medium, and High

Table 2: Additional controls

Icon	Control/indicator	Description
	Cancel	Tap to cancel an entry or to return to the previous screen.
	Clear	Tap to clear the current entry.
	Edit	Tap to make changes in the current screen.

Icon	Control/indicator	Description
	OK	Tap to confirm an entry.
	Return home	Tap to return to the Home screen.
	Save	Tap to save an entry.

8.2 Eco mode

 **Note** Eco mode and Quiet mode can be active at the same time. The system will operate at the set point that is the lowest. Be advised that setting the set point too low can affect the system's cooling capability.


8.2.1 Turning Eco mode on or off

1. On the Home screen, tap Main Menu.
 2. Tap Function.
 3. Tap Eco Mode to toggle the function on or off.
- ✓ The Eco Mode indicator will display on the Home screen if the mode on.

8.2.2 Adjusting the Eco mode set point

1. On the Home screen, tap Main Menu.
 2. Tap Function.
 3. Tap Eco Mode.
 4. Tap the Down Arrow.
 5. Tap Eco Mode Set Point.
 6. Tap the Left Arrow or Right Arrow to adjust the set point.
 7. Tap Save.
- ✓ The Eco Mode indicator will display on the Home screen if the mode on.

8.3 Quiet mode

 **Note** Eco mode and Quiet mode can be active at the same time. The system will operate at the set point that is the lowest. Be advised that setting the set point too low can affect the system's cooling capability. Quiet Mode will automatically turn off if the temperature is more than 3 °F (1.8 °C) from the set point.

8.3.1 Turning Quiet mode on or off

1. On the Home screen, tap Main Menu.
 2. Tap Function.
 3. Tap Quiet Mode to toggle the function on or off.
- ✓ The Quiet Mode indicator will display on the Home screen if the mode on.

8.3.2 Adjusting the Quiet mode set point

To find the best set point, slowly decrease the set point percentage until the desired noise level is reached.

1. On the Home screen, tap Main Menu.
 2. Tap Function.
 3. Tap Quiet Mode.
 4. Tap the Down Arrow.
 5. Tap Quiet Mode Set Point.
 6. Tap the Left Arrow or Right Arrow to adjust the set point.
 7. Tap Save.
- ✓ The Quiet Mode indicator will display on the Home screen if the mode on.

8.4 Scheduler mode

Scheduler mode can automatically run up-to-four programs once they have been set up and activated. Programs can be set for desired days and times and include modes, functions, and temperatures.

8.4.1 Turning Scheduler mode on or off

Scheduler mode must be turned on to run or edit programs.

1. On the Home screen, tap Main Menu.
2. Tap Scheduler Mode.
3. Tap Scheduler Mode to toggle the function on or off.

8.4.2 Enabling or disabling a program

Scheduler mode must be turned on to run programs. Programs and their scheduled actions will be shown on the Program screen.

1. On the Home screen, tap Main Menu.
2. Tap Scheduler Mode.
3. Tap Programs.
4. Use the Up Arrow or Down Arrow to navigate to the program.
5. Tap the program menu bar to enable or disable the program.

8.4.3 Editing a program

Program options include setting the mode, functions, temperature set point, and the time and days of the week the program will run once turned on.

1. On the Home screen, tap Main Menu.
2. Tap Scheduler Mode.
3. Tap Programs.
4. Use the Up Arrow or Down Arrow to navigate to the desired Program screen.
5. Tap Edit.
6. Tap Cool, Heat, Auto, or Off to select the mode, then tap the Down Arrow to move to the next screen.
7. Tap Eco and/or Quiet to turn these functions on or off, then tap the Down Arrow.
These functions will not be available if the mode selected in the previous step was "Off." Both can be set to on or off, as desired.
8. Tap the Left Arrow or Right Arrow to set the temperature, then tap the Down Arrow.
9. Tap the Left Arrow or Right Arrow to set the time, then tap the Down Arrow.
10. Tap one or more days to set which days the program will run.
11. Tap the Save icon to save the program.

8.5 Parameters

1. From the Home screen, tap Main Menu.

2. Tap Parameters, then use the Up Arrow and Down Arrow to scroll through the selections.

Selection	Description	Actions
Memorize Setting	This selection memorizes the current settings for all parameters providing a system-wide point that can be returned to when troubleshooting.	<ol style="list-style-type: none"> 1. Tap Memorize Settings. 2. Tap Yes. 3. Tap OK.
Recall Memorized	This selection returns all parameters to the last memorized settings.	<ol style="list-style-type: none"> 1. Tap Recall Memorize. 2. Tap Yes. 3. Tap OK.
Recall Factory	This selection returns all parameters to their factory settings.	<ol style="list-style-type: none"> 1. Tap Recall Factory. 2. Tap Yes. 3. Tap OK.
High Fan Speed	This selection adjusts the fan speed on the high setting reducing the air noise produced by the system.	<ol style="list-style-type: none"> 1. Tap High Fan Speed. 2. Tap the Left Arrow or Right Arrow to adjust the maximum fan speed percentage. 3. Tap Save.
Low Fan Speed	This selection adjusts the fan speed on the low setting ensuring the fan speed is high enough to overcome the static pressure in ductwork.	<ol style="list-style-type: none"> 1. Tap Low Fan Speed. 2. Tap the Left Arrow or Right Arrow to adjust the minimum fan speed percentage. 3. Tap Save.
Fan Operate Mode	Selecting Continuous keeps the fan running at slow speed when the compressor cycles off. Selecting Cycled turns the fan off and on with the compressor.	<ol style="list-style-type: none"> 1. Tap Fan Operate Mode. 2. Tap Continuous or Cycled.
Pump Operate Mode	Selecting Continuous keeps the pump running continuously when the compressor cycles off. Selecting Cycled turns the pump off and on with the compressor.	<ol style="list-style-type: none"> 1. Tap Pump Operate Mode. 2. Tap Continuous or Cycled.
Inside Temp Calibrate	This selection is used to calibrate the cabin temperature reading when it is consistently different from the actual temperature.	<ol style="list-style-type: none"> 1. Tap Inside Temp Calibrate. 2. Tap the Left Arrow or Right Arrow to adjust the reading. 3. Tap Save.
Temperature Units	This selection toggles temperature readouts between °F and °C and affects all temperature screens. The default is °F.	Tap Temperature Units to toggle between °F or °C.
Pressure Units	This selection toggles pressure readouts between psi, Kpa, or bar and affects all pressure screens. The default is psi.	<ol style="list-style-type: none"> 1. Tap Pressure Units. 2. Tap the Left Arrow or Right Arrow to adjust the reading. 3. Tap Save.
Aux Electric Heat	This selection activates the auxiliary electric heater relay if one is connected. It will only work in place of the reverse heating cycle and not as a supplementary heat source. The default is off. The appropriate power rating must be selected to activate the heater.	<ol style="list-style-type: none"> 1. Tap Aux Electric Heat. 2. Tap the Left Arrow or Right Arrow to scroll through the options. 3. Tap Save and follow the prompts to confirm the selection.
Filter Hours Setting	When activated, this selection indicates when the filter is ready to be replaced as determined by the selected filter life range. The default is off.	<ol style="list-style-type: none"> 1. Tap Filter Hours Setting. 2. Tap the Left Arrow or Right Arrow to scroll through the options. 3. Tap Save.
Filter Hours Reset	This selection resets the filter life counter to zero. The filter hours should be reset when the filter is replaced or cleaned. This selection is not available when Filter Hours Setting is set to off.	<ol style="list-style-type: none"> 1. Tap Filter Hours Reset. 2. Tap Yes. 3. Tap OK.
Filter Alarm Delay	This selection sets the duration to snooze the filter alarm when Snooze is used in the Filter Alarm screen.	<ol style="list-style-type: none"> 1. Tap Filter Alarm Delay. 2. Tap the Left Arrow or Right Arrow to adjust the reading. 3. Tap Save.
Zone/Area	This selection assigns a zone name to one or more units. For networked units, this allows a command from one display to control all units assigned to that zone. The default for all units is Master Stateroom.	<ol style="list-style-type: none"> 1. Tap Zone/Area. 2. Tap the Left Arrow or Right Arrow to scroll through the list of zones/areas. 3. Tap Save.

Selection	Description	Actions
Set Point Temp Differential	This selection adjusts the temperature differential between the set point and the cabin temperature reading which is used to determine when the system cycles on.	<ol style="list-style-type: none"> 1. Tap Set Point Temp Differential. 2. Tap the Left Arrow or Right Arrow to scroll through the list of settings. 3. Tap Save.
Discharge Pressure Calibration	This selection is used to calibrate the discharge pressure reading when it is consistently different from the actual pressure. The discharge pressure reading is used to monitor the health of the system. If the value exceeds the factory set limit, an alarm will display indicating the date and time of the occurrence.	<ol style="list-style-type: none"> 1. Tap Discharge Pressure Calibration. 2. Tap the Left Arrow or Right Arrow to adjust the reading. 3. Tap Save.
Suction Pressure Calibration	This selection is used to calibrate the suction pressure reading when it is consistently different from the actual pressure.	<ol style="list-style-type: none"> 1. Tap Suction Pressure Calibration. 2. Tap the Left Arrow or Right Arrow to adjust the reading. 3. Tap Save.
Suction Temp Calibrate	This selection is used to calibrate the suction temperature reading when it is consistently different from the actual temperature.	<ol style="list-style-type: none"> 1. Tap Suction Temperature Calibration. 2. Tap the Left Arrow or Right Arrow to adjust the reading. 3. Tap Save.
Compressor Staging Delay	This selection adjusts the amount of time it takes for the compressor to start after a hard power cycle. Use for installations where more than one system operates from the same power source. Different staging delays allow compressors to start at different times when the power is interrupted. Stage the units at least five seconds apart.	<ol style="list-style-type: none"> 1. Tap Compressor Staging Delay. 2. Tap the Left Arrow or Right Arrow to scroll through the options. 3. Tap Save.
Low Voltage Monitor	When activated, this selection detects and indicates when the supply voltage is below the selected set point.	<ol style="list-style-type: none"> 1. Tap Low Voltage Monitor. 2. Tap the Left Arrow or Right Arrow to scroll through the options. 3. Tap Save.
Power Source Priority	This selection manages which power source type is used when both AC and DC power are available to the system. The default is AC.	Tap Power Source Priority to toggle between AC and DC.

8.6 System settings

1. From the Home screen, tap Main Menu.
2. Tap System, then use the Up Arrow and Down Arrow to scroll through the selections.

Selection	Description	Action
Display Brightness	This selection adjusts the brightness of the display.	<ol style="list-style-type: none"> 1. Tap Display Brightness. 2. Tap the Left Arrow or Right Arrow to adjust the percentage.
Sleep Mode Delay	This selection determines how long the display must remain inactive before the screen saver appears. Selecting off deactivates the screen saver.	<ol style="list-style-type: none"> 1. Tap Sleep Mode Settings. 2. Tap the Left Arrow or Right Arrow to scroll through the options. 3. Tap Save.
Language	This selection determines the language used by the display.	<ol style="list-style-type: none"> 1. Tap Language. 2. Tap the Left Arrow or Right Arrow to scroll through the options. 3. Tap Save.
Screen Saver	This selection determines which screen save appears on the Home screen after a period of inactivity: the Dometic logo (default), a simplified temperature screen, and a blank black screen. Touching the screen wakes up the display.	<ol style="list-style-type: none"> 1. Tap Screen Saver. 2. Tap the Left Arrow or Right Arrow to scroll through the options. 3. Tap Save.
Versions	This selection displays the installed versions of firmware.	Tap Versions.

8.7 Troubleshoot

1. From the Home screen, tap Main Menu.
2. Tap Troubleshoot, then use the Up Arrow and Down Arrow to scroll through the selections.

Selection	Description	Action
Fault History	This selection provides the history of any faults that have occurred in the system since the last time the fault history was reset. The fault history can only be reset by a service technician.	<ol style="list-style-type: none"> 1. Tap Fault History. 2. Tap the Up Arrow or Down Arrow to scroll through the faults.
System Status	This selection provides information on the present system status.	<ol style="list-style-type: none"> 1. Tap System Status. 2. Tap the Up Arrow or Down Arrow to scroll through the status information.

8.8 Lock setting

The Lock Setting menu allows you to restrict access to the System, Parameter, and Scheduler menus with a 4-digit PIN code.

8.8.1 Setting the lock PIN

1. From the Home screen, tap Main Menu.
2. Tap Lock Setting.
3. Tap Yes to confirm you want to proceed.
4. Tap the number pad to enter a 4-digit PIN.
5. Tap OK to save the PIN and lock the menus.

8.8.2 Changing the lock PIN

1. From the Home screen, tap Main Menu.
2. Tap Lock Setting.
3. Tap Yes to confirm you want to proceed.
4. Tap Change PIN.
5. Tap the number pad to enter a 4-digit PIN.
6. Tap OK to save the new PIN.

8.8.3 Remove the lock PIN

1. From the Home screen, tap Main Menu.
2. Tap Lock Setting.
3. Tap Yes confirm you want to proceed.
4. Tap Remove PIN.
5. Tap OK to remove the PIN and unlock the menus.

8.9 Date & time

The Date & Time menu allows you set the date and time in your preferred format and choose whether to display them on the Home screen.

8.9.1 Turning date & time on or off

This setting turns on or off the option to display the date and time on the Home screen.

1. From the Home screen, tap Main Menu.
2. Tap Date & Time.
3. Tap Date & Time Display to toggle the option on or off.

8.9.2 Setting the date format

This setting gives the option to display the date in different formats. The default is MM-DD-YYYY.

1. From the Home screen, tap Main Menu.
2. Tap Date & Time.
3. Tap Date Format.
4. Tap the Left Arrow or Right Arrow to scroll through the formats.
5. Tap Save.

8.9.3 Setting the time format

This setting gives the option to display the time in 12- or 24-hour formats. The default is 12-hour.

1. From the Home screen, tap Main Menu.
2. Tap Date & Time.
3. Tap Time Format to toggle between the options.

8.9.4 Setting the date & time

This setting allows you to set the date and time.

1. From the Home screen, tap Main Menu.
2. Tap Date & Time.
3. Tap Date Time Settings.
4. Follow the screen prompts to make the changes.
5. Tap Save.

9 Troubleshooting

Problem	Possible cause	Suggested remedy
The system does not power up.	The circuit breaker for the air conditioner is off.	Turn on the circuit breaker at the vessel's panel.
	The power button is off on the display.	Turn on the power button on the display.
	The voltage on the power supply line is not high enough.	<ol style="list-style-type: none"> 1. Verify the voltage on the power supply line. 2. Check the wiring and terminals for proper sizes and connections. Refer to the installation manual that came with the air conditioner. 3. Use a voltmeter to verify that the power is the same at the air conditioner and at the power source.
	An electrical component has failed.	Contact a qualified service technician.
The system shuts down.	The system encountered a hard fault.	<ol style="list-style-type: none"> 1. Check the fault history. Refer to Troubleshoot on page 14. 2. Follow the corresponding troubleshooting steps in this section.
	The power source has lost power.	Verify that the power source is supplying power.
	An electrical component has failed.	Contact a qualified service technician.
The system does not respond to changes entered on the display.	There is a power-related issue with the display, such as a power interruption, voltage frequency fluctuation, electromagnetic interference from other equipment, or a similar issue.	<ol style="list-style-type: none"> 1. Turn off or move any high-power electronics near the display. 2. Switch the existing display cable for a shielded cable. 3. If the problem persists, contact a qualified service technician.
	The display and the air conditioner unit are not compatible.	Verify that the display being used is compatible with the air conditioner.
The display does not show the correct room temperature.	The return air sensor is in a position that does not accurately reflect the cabin temperature.	<ol style="list-style-type: none"> 1. Reposition the return air sensor to a better location, if possible. 2. On the Parameters menu, use the Inside Temp Calibrate feature to calibrate the air sensor.
The system is not blowing cold air.	The temperature of the seawater is too high.	Seawater temperature directly affects the unit's efficiency. For optimal cooling, the water temperature must be less than 95 °F (35 °C).
	The water flow is inadequate.	Verify that there are no obstructions in the water flow.
	The system has lost refrigerant.	Contact a qualified service technician.
	The mode on the display is not set to Cool.	Change the mode to Cool.
The system is not blowing hot air.	The temperature of the seawater is too low.	Seawater temperature directly affects the unit's efficiency. For the unit to heat (if the reverse-cycle option is available), the water temperature must be 40 °F (4 °C) or higher.
	The reversing valve is stuck.	<ol style="list-style-type: none"> 1. Lightly press on the valve with a rubber mallet while the system is in Heat mode. 2. If the problem persists, contact a qualified service technician.

Problem	Possible cause	Suggested remedy
	The auxiliary electric heater is enabled but not connected.	<ol style="list-style-type: none"> 1. On the Parameters menu, set Aux Elec Heat to Off. 2. Verify that the breaker for the auxiliary heater is in the on position.
	The mode is not set to Heat on the display.	Change the mode to Heat.
	The system has lost refrigerant.	Contact a qualified service technician.
There is not enough airflow in the system.	The airflow is blocked or restricted.	<ol style="list-style-type: none"> 1. Remove any obstructions in the return air stream. 2. Clean the return air filter and grille. 3. Check for crushed or restricted ducting. The ducting must be as straight, smooth, and firmly supported as possible.
	The system is running in limit mode to compensate for abnormal operating conditions caused by environmental factors such as seawater temperature, load, etc.	On the Troubleshoot menu, check System Status for the operating mode. If the system cannot resume normal operation within an hour, a Limit Mode alarm will be sent to the display until normal operation can be resumed.
The compressor is not stopping.	The variable speed compressor technology slows down, but does not stop unless the temperature set point is exceeded by 1 °F (0.6 °C).	Adjust the temperature set point or use the power button on the display to manually turn off the system.
	An electrical component has failed.	Contact a qualified service technician.
The fan is not blowing or does not stop blowing.	The Fan Operate mode is set for either Cycled or Continuous.	On the Parameters menu, change the Fan Operate Mode to the desired setting.
	An electrical component has failed.	Contact a qualified service technician.
The mode icon is flashing.	The compressor cycled off because the mode was changed.	The compressor will cycle back on three minutes after the mode change.
	The compressor cycled off because the target temperature was exceeded by 1 °F (0.6 °C) or more.	The compressor will cycle on once the cabin temperature no longer exceeds the set point.
The filter warning displays. (is this text or icon, if text, what text?)	The timer setting to clean or replace the air filter has been reached.	<ol style="list-style-type: none"> 1. Clean or replace the air filter. 2. On the Parameter menu, use the Filter Hours Reset function to reset the timer. (How?)
Fault: Return Air Sensor Failure (how are faults communicated?)	An electrical connection or component has failed.	Contact a qualified service technician.
Fault: Suction Temp Sensor Failure	An electrical connection or component has failed.	Contact a qualified service technician.
Fault: Discharge Pressure Transducer Failure	An electrical component has failed.	Contact a qualified service technician.
Fault: High Discharge Pressure	The flow of seawater is obstructed or blocked.	<ol style="list-style-type: none"> 1. Verify that the seacock is open and water is flowing to the pump. 2. Clean the seawater strainer. 3. Check for a strong, steady flow from the overboard discharge.
	The seawater pump may be airlocked.	<ol style="list-style-type: none"> 1. Verify that the seawater plumbing is installed according to the instructions in the installation manual included with the air conditioning unit.

Problem	Possible cause	Suggested remedy
		2. Remove the hose from the pump discharge to purge air from the line, then replace.
	The seawater pump is not running.	1. Ensure the pump is not damaged from being run dry. 2. Verify that the pump is receiving voltage. 3. Check that water is flowing strongly out of the overflow.
	The condensing coil is dirty.	Clean the condensing coil.
	The seawater temperature is too high during heating operation.	Seawater temperature directly affects the unit's efficiency. For the unit to heat (if the reverse-cycle option is available), the water temperature must be less than 65 °F (18 °C).
	There is insufficient return airflow.	1. Remove any obstructions in the return air stream. 2. Clean the air filter and the grille. 3. Check for crushed or restricted ducting. The ducting must be as straight, smooth, and firmly supported as possible.
Fault: Low Suction Pressure	The return air pressure is too low during cooling operation.	The ambient temperature directly affects the unit's efficiency. For optimum cooling, the air temperature must be 65 °F (18 °C) or higher.
	The return air is restricted.	1. Remove any obstructions in the return air stream. 2. Clean or replace the air filter and grille.
	The seawater temperature is too low during heating operation.	Seawater temperature directly affects the unit's efficiency. For the unit to heat (if the reverse-cycle option is available), the water temperature must be 40 °F (4 °C) or higher.
	The system has lost refrigerant	Contact a qualified service technician.
Fault: Compressor Start Failure	The supply voltage is too low.	1. Verify the voltage is correct at the power source. 2. If the problem persists, contact a qualified service technician.
	An electrical component has failed.	Contact a qualified service technician.
Fault: Low Superheat	A blower or expansion valve has malfunctioned.	Contact a qualified service technician.
Fault: Low Suction Temperature	A blower or expansion valve has malfunctioned.	Contact a qualified service technician.
Fault: Clock Board Fault or Not Connected	An electrical component has failed.	Contact a qualified service technician.
Fault: AC Low Voltage	The supply voltage is too low.	1. Verify the voltage is correct at the power source. 2. If the problem persists, contact a qualified service technician.
Fault: AC High Voltage	The supply voltage is too high.	1. Verify the voltage is correct at the power source.

Problem	Possible cause	Suggested remedy
		2. If the problem persists, contact a qualified service technician.
Fault: DC Low Voltage	The battery capacity is reduced.	1. Charge or replace the battery bank. 2. If the problem persists, contact a qualified service technician.
Fault: DC High Voltage	The supply voltage is too high.	1. Verify the voltage is correct at the power source. 2. If the problem persists, contact a qualified service technician.
Fault: Communication Loss	An electrical component has failed.	Contact a qualified service technician.
	Electrical noise interference.	Ensure communication cables and connectors are not in close proximity to power cables or large electrical equipment.
Fault: Overcurrent Alarm	An electrical component has failed.	Contact a qualified service technician.
Fault: High VFD Temperature	Airflow is restricted due an object in the airflow path.	Remove the obstruction from the heatsink cooling airflow path.
	The cooling fan is not operating correctly.	Contact a qualified service technician.
Fault: Fan Fault	An electrical component has failed.	Contact a qualified service technician.
Fault: Duplicate Zone Instance	More than one unit in a network has been assigned to the same zone ID.	Check the zone assignments on all units in the network to ensure each unit has a unique zone ID. (how - and what is "unit" in this case?)
Fault: Low Refrigerant	A mechanical interface has failed and lost refrigerant.	Contact a qualified service technician.

10 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.

11 Warranty

Refer to the sections below for information about warranty and warranty support in the US, Canada, Australia, New Zealand, and all other regions.

United States and Canada

LIMITED WARRANTY AVAILABLE AT DOMETIC.COM/EN-US/TERMS-AND-CONDITIONS-CONSUMER/WARRANTY.

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

Asia-Pacific(APAC) Countries

If the product does not work as it should, please contact your retailer or the manufacturer's branch in your country (see the back of this instruction manual for the web addresses to locate your region or retailer). The warranty applicable to your product is 1 year.

For repair and warranty processing, please include the following documents when you send in the device:

- A copy of the receipt with purchasing date
- A reason for the claim or description of the fault.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Australia Only

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

New Zealand Only

This warranty policy is subject to the conditions and guarantees which are mandatory as implied by the Consumer Guarantees Act 1993(NZ).

All other regions

The statutory warranty period applies. If the product is defective, please contact the manufacturer's branch in your region or your retailer (see the back of this instruction manual for the web addresses to locate your region or retailer).

For repair and guarantee processing, please include the following documents when you send in the device:

- A copy of the receipt with purchasing date
- A reason for the claim or description of the fault



dometic.com

YOUR LOCAL DEALER

dometic.com/dealer

YOUR LOCAL SUPPORT

dometic.com/contact

YOUR LOCAL SALES OFFICE

dometic.com/sales-offices
