

Redesigned with  
Bigger Buttons

# Elite Control

## Ship-Wide Network Capable



Elite Control with Vimar bezel in gold finish shown

**The Elite™ Environmental Control Unit is a microprocessor-based controller designed for the precise monitoring of split and self-contained direct expansion air conditioning systems in marine environments.** The control can also be used with chilled-water air handlers and is called the AH-Elite in that application. The control operates at 115 or 230 volts, each operable at 50 or 60 cycles.

The Elite control has a sleek, modern Euro design. Available in grey or white, it features raised buttons for easy access and control. The Mode button is used to scroll through the four modes of operation, simplifying programming. Decorative snap-on Vimar® bezels are available in Rondo (shown) and Classica styles, in a variety of colors and materials to match your vessel's interior. Other Vimar bezel styles are available by special order.

**The Elite display operates with the new Passport® I/O circuit board** that utilizes state-of-the-art SMT technology. The Passport® I/O circuit board has an integrated CAN-bus network adapter that provides ship-wide network monitoring of multiple DX systems and air handlers. The adapter adheres to CAN-bus Standard 2.0B and is fully ISO compliant. It is available in two high-level CAN-bus communication protocols to support connection to several popular helm and cabin touchscreen control systems.

The Elite display is flash programmable, which allows for future software upgrades without the need to replace the circuit board. A ground shield protects against static interference and RF noise, and the circuit board is conformally coated to

### Key Benefits

- Automatic humidity control - reduces moisture when the boat is unattended.
- Cool only, heat only, dehumidify, or automatic mode selection.
- New optional electric-heat relay.
- Ship-wide network capable.
- Displays Fahrenheit or Celsius.
- Multiple fan speed selections - automatic or three manual speeds.
- Cycle fan with compressor or continuous fan operation.
- Cycle pump with compressor or continuous pump operation.
- Compressor time-delay staging for multiple unit applications.
- Darken display lights when desired.
- Controls shaded pole and split capacitor fan motors.
- Compressor fail-safe protection.
- Programmable de-icing cycle.
- Built in air sensor (optional remote sensor).

provide high resistance to external damage or corrosion. A display cable with modular jacks connects the panel to the system controller. Non-volatile memory stores all user-selectable parameters indefinitely during operation and through any power-failure situations.

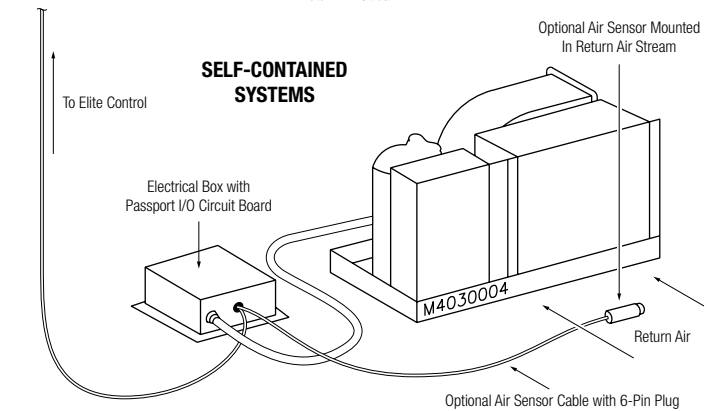
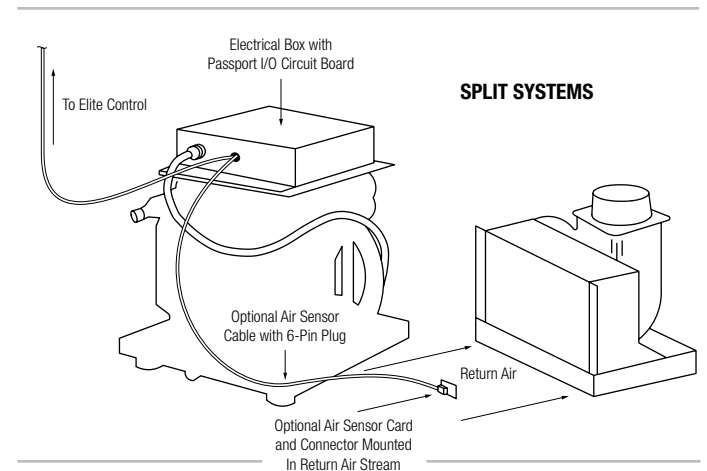
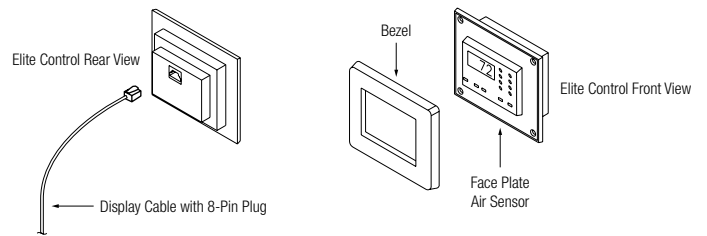
The Elite control meets or exceeds applicable ABYC, U.S. Coast Guard Regulations and CE Directives.

## Technical Specifications for Elite & AH-Elite Environmental Controls

Voltage (VAC)	115	230
Cycle (Hz)	50/60	50/60
Phase (ø)	1	1
<b>Circuits<sup>(1)</sup></b>		
Compressor Output <sup>(2)</sup>	40A	40A
Locked Rotor Amps (LRA)	80A	80A
R.V. Output <sup>(3)</sup>	¼A	¼A
Fan Output	6A	6A
Heater Output	30A	20A
Pump Output <sup>(2)</sup>	¼ HP	¼ HP
Temperature Ranges °F / °C	65 to 85 / 18 to 29	
Set Point Temperature	65 to 85 / 18 to 29	
Display Temperature	5 to 150 / -15 to 66	
Air Sensor Temperature	5 to 150 / -15 to 66	
Sensor Accuracy	±2°F at 77°F / ±1.1°C at 25°C	
Display Panel Dimensions (in/mm)	4.41/112 W X 2.96/75 H X 1.08/27 D	
Panel Cut-Out Dimensions (in/mm)	3.31/84 W X 2.19/56 H	
Bezel Size <sup>(4)</sup>	4.85/123 W X 3.25/83 H	
<b>Cables Included<sup>(5)</sup></b>		
Display ft/m	VCD: 15/4.6; CMCD: 10/3.0; CSD: 30/9.1; Chilled Water: 15/4.6	
Water Inlet Sensor ft/m	7/2.1 cable included with some AH-Elite and AH-Passport I/O kits	
Other Cables Available <sup>(5)</sup>	Most cables available in 5' increments	
Display ft/m	10 - 75/3.0 - 22.9	
Alternate/Remote Air (optional)	7 - 60/2.1 - 18.3	
Outside Air Sensor (optional)	7 - 50/2.1 - 15.2	
Pump Sentry (optional)	7 - 60/2.1 - 18.3	
Water Inlet Sensor (AH-Elite)	7 - 60/2.1 - 18.3	

**Notes:**

- <sup>(1)</sup> Maximum loads should not exceed 85% of listed output ratings.
- <sup>(2)</sup> Does not apply to AH-Elite.
- <sup>(3)</sup> Used as water valve output in AH-Elite mode.
- <sup>(4)</sup> Idea® type bezels from Vimar sold separately. Dimensions may vary depending on style.
- <sup>(5)</sup> Maximum length for display and air sensor cables is 75'. Maximum length for water inlet sensor cable is 75'.



Dealer:

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