

# Elite™ Cabin Control Retrofit Kits

## Upgrade Your Old Marine Air Control With the Elite™



The Elite™ Control is a microprocessor-based controller designed for the precise monitoring of marine air conditioning systems, and is now available in retrofit kits for both direct expansion and chilled water applications. The Elite Retrofit Kit is used for direct expansion (DX) self-contained units and evaporators, while the AH-Elite Retrofit Kit is used for chilled water air handlers. All kits utilize the Passport® I/O circuit board and either DX or CW software. The control operates at 115 or 230VAC, 50 or 60Hz.

Elite Retrofit Kits have everything necessary to upgrade an older Marine Air control, including the MCP 3-knob, Passport II, ECU, and ECU-Maxx controls. Specify either self-contained (SC) or split central system (CS) when ordering. The AH-Elite Retrofit Kit will replace the older AH-Passport display.

Each kit contains the Elite keypad/display, a Vimar® Black Poly Rondo bezel, the Passport I/O circuit board mounted in an electrical box, alternate air sensor and display cables, wiring harness, operation manual, quick reference card and mounting plate. Specify either a horizontal or vertical mounting plate when replacing an ECU or a 3-knob mechanical control.

The entire assembly is grounded and protected against static interference and RF noise. The circuit board is conformally coated to provide high resistance to external damage or corrosion. Internal self-diagnostic programs provide complete electronic checks of all lights, sensors, keys and circuits. M.O.V.s (metal oxide varistors) provide component and board protection. Non-volatile memory stores all user-selectable parameters indefinitely during operation or any power failure situation.

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

### Key Benefits

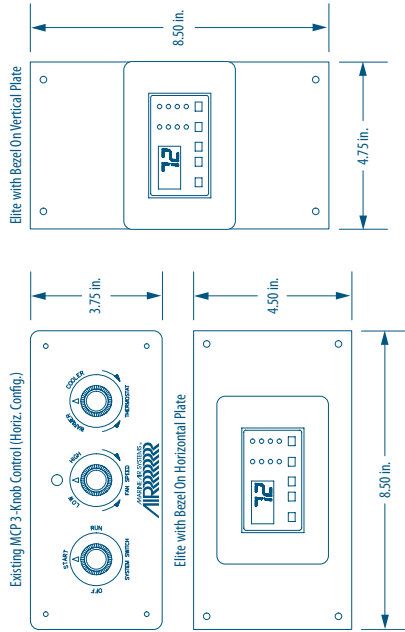
- Complete kit allows the replacement of your old cabin control with the advanced, easy-to-use Elite keypad/display.
- Includes electric box with Passport I/O microprocessor, Elite keypad/display, Vimar® bezel, horizontal and vertical mounting plates, and connecting cables.
- Polarized plug for easy connection to existing self-contained unit.
- Convenient phone-type modular jack plugs into keypad/display.
- Mounting plates for replacing horizontal or vertical MCP 3-knob control.
- Automatic humidity control reduces moisture when the boat is unattended.
- Cool-only, heat-only, dehumidify, and automatic mode selection.
- New optional electric-heat relay.
- Optional CAN bus adapter puts cabin control on the ship-wide network.
- Displays Fahrenheit and Celsius.
- Automatic or manual fan-speed selection.
- Cycle fan with compressor or continuous fan operation.
- Cycle pump with compressor or continuous pump operation.
- Dimmable display.
- Controls shaded pole and split capacitor fan motors.
- Compressor fail-safe protection.

# Specifications for Elite Retrofit Kits

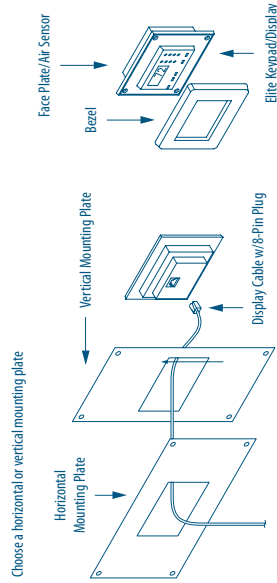
Model <sup>(1)</sup>	Retro (SC/CS/AH) Elite (HRZ/VRT)
Elite Display Dimensions (H x W x D)	2.96 x 4.41 x 1.08 in. (75 x 112 x 27 mm)
Bezel Dimensions (H x W) <sup>(2)</sup>	3.25 x 4.85 in. (83 x 123 mm)
Mounting Plate Dimensions	Refer to Dimensions Drawing
Display Cable Length (ft/m)	Self-Contained System: 15/4.6 Split System: 30/9.1 Chilled Water System: 15/4.6
Water Inlet Sensor Cable Length (ft/m)	7/2.1
Other Cables Available <sup>(3)</sup>	Most Cables Available in 5 ft. (1.5 m) Increments
Display Cable Length (ft/m)	10-75/3.0-22.9
Alternate/Remote Cable Length (ft/m) <sup>(4)</sup>	7-60/2.1-18.3
Outside Air Sensor Cable Length (ft/m)	7-60/2.1-15.2
Pump/Sentry Cable Length (ft/m)	7-60/2.1-18.3
Water Inlet Sensor Cable Length (ft/m)	7-60/2.1-18.3

- Specify SC for self-contained, CS for central system, or AH for a chilled water air handler. Specify HRZ for horizontal or VRT for vertical when replacing MCP 3-knob or ECU controls only.
- Retrofit kits include a black poly Rondio-type bezel (#335441). Other idea bezels from Vimar are available in Rondio or Classica styles and are sold separately. Dimensions may vary slightly depending on the style.
- Maximum length for display, air sensor, and water inlet sensor cables is 75 ft. (23 m).
- Air sensor cables longer than 7 ft. (2.1 m) require a remote air sensor card.

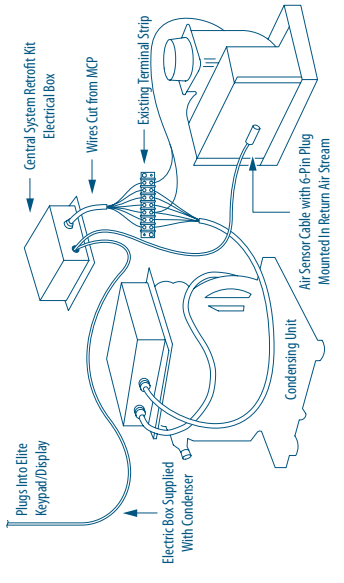
## Dimensions



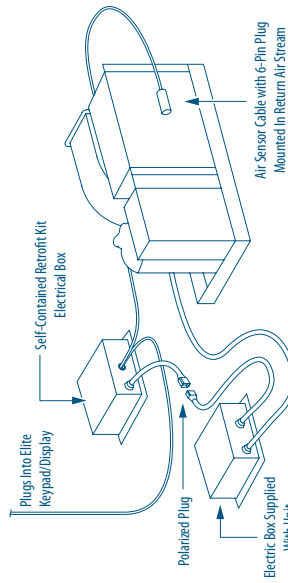
## Installation



### SPLIT-GAS SYSTEMS



### SELF-CONTAINED SYSTEMS



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Specifications and availability subject to change without notice.

Dealer