

The *CoolSaver*TM Marine Refrigeration Controller



More than a thermostat or speed controller

A modern, cost effective digital controller that minimizes battery energy requirements for marine refrigeration systems.

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Minimizes battery energy consumption **and** controls temperature accurately.

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Cost effective.

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Easy to install.

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Suitable for any refrigeration system that uses Danfoss BD35F, BD50F or BD80F compressors with either holding plates or evaporators, and air or water cooled condensers.
(Dometic-Adler Barbour, Isotherm, Nova Kool, and others).

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Does not require, **but enhances** Danfoss AEO (Adaptive Energy Optimizing) compressor controller.

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Charge Sense™ technology detects available excess power. It saves energy by automatically taking advantage of excess available power from any source; alternator, generator, wind generator and solar power.

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Displays temperatures in Fahrenheit or Centigrade and has a

full set of status indicators.

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Records lowest and highest temperature. Has manual reset.

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Temperature alarms with buzzer, and programmable shutdown on high condenser temperature.

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Continued refrigeration if thermistor probe fails.

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Warm food load feature.

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Energy Saving Mode.

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Fully configurable from the front panel.

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Low space requirement: 1.14" x 2.8" (29x71mm) panel cutout.

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Manual and programmable automatic defrosting.

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Uses sealed stainless steel solid state thermistor probes.

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Front panel is IP65 water protected. Conformal coating on electronics protects against the marine environment.

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100% redundancy - automatic switch-over to a mechanical

backup thermostat if **CoolSaver** is not powered or malfunctioning.

CoolSaver was designed by **BostonBase Inc.**- a software and controls company that since 2003 has been developing control solutions for refrigeration with an emphasis on energy savings.

Options

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Remote access via web browser

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Can send emailed alarms via cellular network

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“ Hot key” programming

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Alarm output can be connected to other systems