Core-S™

LIGHT AND SIREN SYSTEM

Introducing Core-S, the newest addition to Whelen's industry-leading Core® family of control systems!

Core-S is a true, one-box solution! Our newest control system has an all-new space-saving design that's designed to be installed in a console, under a vehicle's dash, or in other tight spaces. Core-S features siren, input/output, and control functionality in one compact box along with an integrated control head. Like the rest of our Core systems, Core-S is engineered for performance, designed for vast configuration, and built to scale with your needs. Plus, installation has never been easier with connector placement specifically designed for installation in hard-to-reach areas.

C399S6

ALL-NEW DESIGN
Every aspect of Core-S is engineered for performance and designed for vast configuration, allowing for installation in space-sensitive consoles or under-dash. Core-S is built on Whelen's proprietary and industry leading WeCanX® protocol to bring the advanced safety features of CenCom Core to a broad new user base.

WECANX
WeCanX is the smartest and most powerful CAN-based communication system we've ever engineered. Providing true system synchronization, greater speed capabilities, expanded peripheral add-ons, and full support of diagnostics, WeCanX is designed for optimal situational awareness programming.

WeCanX processes over 65,000 virtual inputs and supports numerous combinations of WeCanX devices, including support for multiple Whelen peripherals of the same type on the same vehicle. All CANport™ signals are configurable as triggerable events. (Whelen's original WeCan only supports 8 CANport signals.)

FIRMWARE UPDATES
Core-S supports remote firmware updates through USB-C with Whelen Command® or over-the-air with The Whelen Cloud Platform™. All WeCanX devices support encrypted firmware updates.

WHELEN COMMAND
At the heart of Core-S is Whelen's industry-leading software, Whelen Command. Featuring an advanced user interface, Command is engineered to streamline the entire programming process and quickly provide updates and new releases. Command can process over 65,000 virtual inputs.

THE WHELEN CLOUD PLATFORM®
The Whelen Cloud Platform delivers a multitude of capabilities for fleet management and safety. Using the Vehicle Safety Gateway® (VSG®), it bridges connectivity into next-generation analytics and software along with over-the-air (OTA) firmware updates, all while helping first responders make life-saving decisions through telematic and GPS-based data.

C399S7/C399S7H

C399S6/C399S6H

MANUFACTURED IN AMERICA

Core-S™ Light and Siren System

HARDWARE SUPPORT

Core-S supports multiple WeCanX devices. Connect Tracer™, Arges®, lightbars, sirens, Howler™*, and Inner Edge® products. With Core-S, you can support multiple Whelen peripherals of the same type on the same vehicle. Core-S models are available for operation on both 12VDC and 24VDC electrical systems.

DIMENSIONS

6.67" W x 6.54" D x 5.70" H

INPUTS - 11 TOTAL INPUTS

6 logic inputs
1 ignition power-up input
4 analog inputs

HIGH-SPEED CONNECTIONS

Core-S has extremely high-performance I/O and features one ethernet connection, one WeCanX® connection, a CANport™ interface, and one USB-C port. With a variety of interfaces, Core-S is primed for a wide range of configurations.

WECANX DEVICES

Customize the Core-S control system to suit your needs! Compatible with:
- WeCanX enabled lightbars and Inner Edge® products
- V2V Sync Module
- Vehicle Safety Gateway
- Arges
- WeCanX Tracer

OUTPUTS - 17 TOTAL OUTPUTS

2 15A outputs
2 10A outputs
12 2A outputs
1 dry contact relay
Flashing outputs

UPDATED CONTROL HEAD CONFIGURATIONS

Ergonomically designed for situational awareness, the Core-S control heads are completely configurable. Control heads are based on industry leading WeCanX control heads and support flashing indicator LEDs.

DYNAMIC VARIABLE INTENSITY™ LIGHT PATTERNS

Core-S allows for Dynamic Variable Intensity (DVI™) patterns, an innovative series of flash patterns designed to help create an advanced level of safety at nighttime emergency scenes.

Building on Whelen's situation-based nighttime mode, DVI patterns produce safer environments for first responders by gradually increasing and decreasing warning light intensity. DVI patterns help better convey visual information to approaching motorists, clearly indicating when an emergency vehicle is parked and improving their ability to navigate around an emergency scene safely.

Core-S™ Light and Siren System

C399S	200 Watt Amplifier Control Module, Flashing Outputs, Includes 3 CAN Ports and Controls Up to 99 Devices/Remote Modules, Control Head and Other Modules Purchased Separately. 12 VDC
C399S24	200 Watt Amplifier Control Module, Flashing Outputs, Includes 3 CAN Ports and Controls Up to 99 Devices/Remote Modules, Control Head and Other Modules Purchased Separately, 24VDC
C399SH	100 Watt Amplifier Control Module with 100 Watt Howler, Flashing Outputs, Includes 3 CAN Ports and Controls Up to 99 Devices/Remote Modules, Control Head and Other Modules Purchased Separately. Single Howler Mounting Bracket purchased Separately, 12 VDC
C399S6	Single Unit 200 Watt Siren with Integrated 3 Section Control Head and 8 Push-Buttons, 4-Position Slide Switch with a 7-Position Rotary Knob. Manual, Airhorn Plus 3 Traffic Advisor™ Switches and Microphone with Extension Cable
C399S6H	Single Unit 100 Watt Siren and 100 Watt Howler with Integrated 3 Section Control Head and 8 Push-Buttons, 4-Position Slide Switch with a 7-Position Rotary Knob. Manual, Airhorn Plus 3 Traffic Advisor™ Switches and Microphone with Extension Cable, Single Howler Mounting Bracket purchased Separately, 12VDC
C399S7	Single Unit 200 Watt Siren with Integrated 3 Section Control Head and 21 Push-Buttons, 4-Position Slide Switch, Microphone with Extension Cable
C399S7H	Single Unit 100 Watt Siren and 100 Watt Howler with Integrated 3 Section Control Head and 21 Push-Buttons, 4-Position Slide Switch, Microphone with Extension Cable, Single Howler Mounting Bracket purchased Separately, 12VDC

⚠ WARNING: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit whelen.com/regulatory.

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