

NEW PRODUCT - PRELIMINARY BULLETIN

**SIRENS
SPEAKERS
SWITCHES**

CenCom Sapphire™

**THE EVOLUTION OF THE SIREN AND LIGHT CONTROL SYSTEM
FOR LAW ENFORCEMENT AND EMERGENCY PROFESSIONALS**

When technology takes a step up, so do the engineers at Whelen Engineering Company! CenCom Sapphire delivers what you've been asking for in a sleek, new, tougher, more advanced design.

CenCom Sapphire adds an integrated WeCan® serial port for connecting your Whelen WeCan series lightbar directly to the Amplifier Control Module. No more bulky wires and secondary boxes to contend with. Just plug in and go!

Indicator LEDs have been added to each output creating a simple, highly visible way to facilitate troubleshooting shorted or broken connections in your vehicle's wiring.

Fuses and connections are easily accessible without having to use any tools or remove any covers. All high-current outputs are fused for your convenience.

New, heavy-duty power and output connectors can handle rough treatment without damage or accidental disengagement and are easily accessible on the front face of the Amplifier Control Module.

Connections have been consolidated into fewer connector housings, saving time and space.

Configuration programming is easier than ever with newly redesigned CenCom Sapphire software. CenCom Sapphire retains the highly regarded simplicity of our previous CenCom software, with new features and added flexibility; including the ability to configure your Whelen WeCan® lightbar!



FEATURES

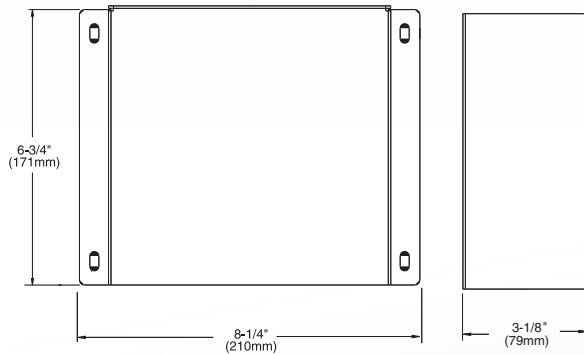
- Control your warning lights, siren and Traffic Advisor™ functions from a single keypad.
- Two models to choose from for compatibility with Traffic Advisors.
CCSRN3: operates Whelen 2-wire Traffic Advisors that do not require external controls.
CCSRNTA3: operates Traffic Advisors that do require external controls.
- Solid-state outputs: one 40-Amp, two 20-Amp, four 10-Amp, and four 250-milliAmp.
- Relay output: one 10-Amp Dry Contact Relay.
- Lightbar: 1 Phoenix style connector for a WeCan series lightbar.
- Integrated Traffic Advisor connection on CCSRNTA3.
- Inputs: four positive or ground activated inputs, including a horn ring input.
- Easy to configure using the included CenCom Sapphire Windows application.
- Configured programs may be extracted, modified and stored for ease of service and reuse.
- A USB port on the Amplifier Control Module provides easy access for programming. The control head need not be connected for programming.
- Easy to operate standard control head with bail bracket mount and 4-position slide switch, 18 programmable, backlit rubber push-buttons which allow for simple warning light and "Hands-Free" siren operation.
- Each button is individually customizable for numerous button types (Press on/Press off, momentary, etc).
- Control head backlighting can be easily turned on or off for high visibility on patrol or blacked out for discrete night operations.
- Brightly backlit push-buttons include over 230 standard function labels to choose from.
- Rugged, aluminum-housed Amplifier Control Module is field-serviceable with easy access to fuses and connections.
- Operates one or two 100-Watt siren speakers.
- Unidirectional Public Address microphone with plug-in connector and 20' microphone cable are included.
- Includes all pigtailed and connectors.
- Rugged CAT-5 cable connects the control head to the Amplifier Control Module.
- Five-year warranty.
- Meets or exceeds all applicable SAE, California Title XIII and NFPA requirements with various Whelen speakers.

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Code No. 12560A - 01/12

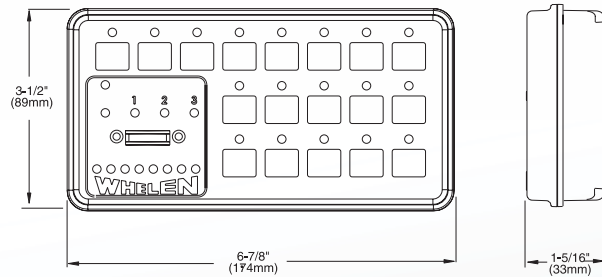
WHELEN®

CenCom Sapphire™ Specifications

Siren Amplifier



Control Head



MODELS

- CCSRN3**..... Control head with bail bracket mount, Amplifier Control Module and microphone.
CCSRNTA3 ... CCSRN3 with bail bracket mount and built-in Traffic Advisor™ module.

OPTION

- CCTRIM**..... Trim ring for semi-flush mounting of control head.



Control head with bail bracket mount, standard.



Optional CCTRIM

GENERAL ELECTRICAL AND PHYSICAL DATA

- Input Voltage.....12.5VDC +/- 20%
 (negative ground only)
 Main Input Current.....80 Amps Max.
 Standby Current.....100NA
 Operating Temp-30C to +60C
 Storage Temp.....-40C to +70C
 Humidity.....99% (Noncondensing)

SIREN/AMP MODULE

- Wail.....725 to 1600 Hz 12 cycles/min.
 Yelp.....725 to 1600 Hz 180 cycles/min.
 Piercer.....725 to 1600 Hz 800 cycles/min.
 Hi/Low.....550 to 650 Hz 60 cycles/min.
 Airhorn.....Composite Constant

- Audio Bandwidth.....@25 Watts, 300 to 10000 Hz +/- 3db
 Distortion.....@25 Watts @1KHz, 1% Maximum
 Output Voltage.....@15VDC @11ohms,
 24Vrms Maximum
 Speaker Impedance.....5.5 Ohms Minimum

OUTLET CURRENT

- Outlet #1.....40 Amps Max. (fused)
 Outlet #2.....20 Amps Max. (fused)
 Outlet #3.....20 Amps Max. (fused)
 Note: Total of Outlets 1, 2, 3 to exceed 50 Amps.
 Outlet #4.....10 Amps Max. (fused)
 Outlet #5.....10 Amps Max. (fused)
 Outlet #6.....10 Amps Max. (fused)
 Outlet #7.....10 Amps Max. (fused)
 Outlet #8.....10 Amps Max. (fused)
 Note: Total of Outlets 4 – 8 not to exceed 50 Amps.
 Outlet #9.....0.25 Amps Max. (fused))
 Outlet #10.....0.25 Amps Max. (fused)
 Outlet #11.....0.25 Amps Max. (fused))
 Outlet #12 (horn relay).....0.25 Amps Max. (fused)

WHELEN®

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