

NEW PRODUCT

CenCom Sapphire™

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

**SIRENS
SPEAKERS
SWITCHES**

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 way to troubleshoot 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.

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.
- Many models to choose from for compatibility with Traffic Advisors.
CCSRN: operates Whelen 2-wire Traffic Advisors that do not require external controls.
CCSRNT: operates Traffic Advisors that do require external controls.



CEN COM SAPHIRE



Microphone

CCSRN35
CCSRNT35



CCSRN3
CCSRNTA3
CCSRN3A
CCSRNT3A



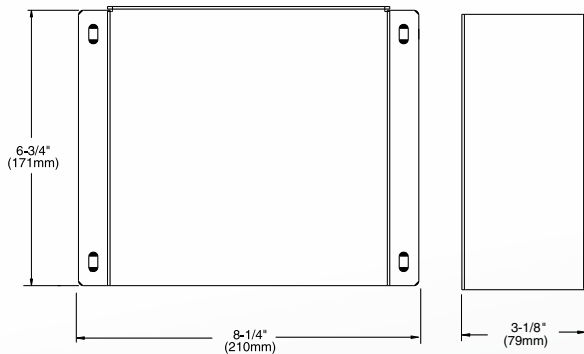
CCSRN36
CCSRNT36
CCSRN3F
CCSRNT3F

- 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 CCSRNT Series.
- Four positive or ground activated inputs, including a horn ring input.
- NEW** models include input expansion module for additional 8 positive or negative inputs (12 total).
- 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.
- 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 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.
- PA microphone with plug-in connector and 20' microphone cable are included (except with hand held models).
- Includes all pigtails 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.

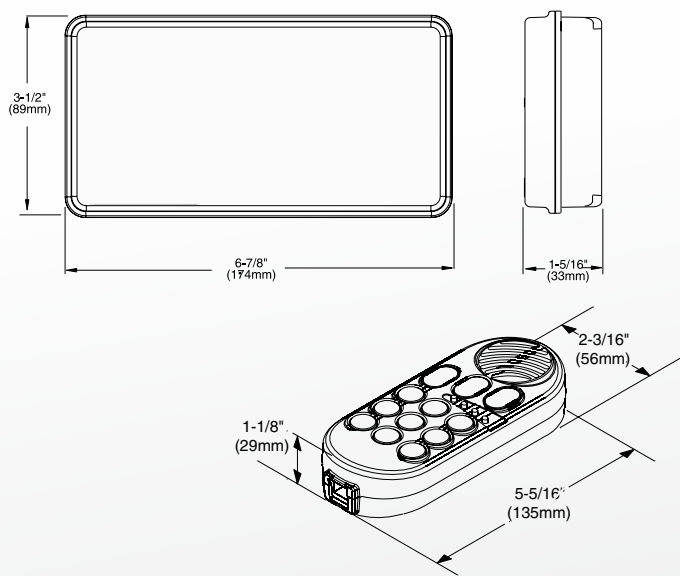
WHELEN®

CenCom Sapphire™ Specifications

Siren Amplifier Dimensions



Control Head Dimensions



MODELS

- CCSRN3** 3-Position slide switch and 18 push-button control head with Amplifier Control Module with pigtails, microphone and CCMICX20 extension cable.
- NEW!** **CCSRN3A** Same as CCSRN3, except with 8 (positive or negative) input expansion module, 12 total inputs.
- CCSRN35** 3-Position progressive push-button switches and 9 push-button hand held control head with amplifier module with pigtails.
- NEW!** **CCSRN36** 3 section control head and 8 push-button, 4-position slide switch and a 7 position rotary knob. Manual, airhorn plus 3 Traffic Advisor™ switches.
- NEW!** **CCSRN3F** Same as CCSRN36, except with 8 (positive or negative) input expansion module, 12 total inputs.
- CCSRNTA3** Same as CCSRN3, with Traffic Advisor module.
- NEW!** **CCSRNT3A** Same as CCSRNTA3, except with 8 (positive or negative) input expansion module, 12 total inputs.
- CCSRNT35** Same as CCSRN35, with Traffic Advisor module.
- NEW!** **CCSRNT36** Same as CCSRN36, with Traffic Advisor module.
- NEW!** **CCSRNT3F** Same as CCSRNT36, except with 8 (positive or negative) input expansion module, 12 total inputs.

OPTION

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



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
- Humidity99% (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/Low550 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, 34Vrms Maximum
- Speaker Impedance5.5 Ohms Minimum

OUTLET CURRENT

- Outlet #140 Amps Max. (fused)
- Outlet #220 Amps Max. (fused)
- Outlet #320 Amps Max. (fused)
- Note: Total of Outlets 1, 2, 3 to exceed 50 A.
- Outlet #410 Amps Max. (fused)
- Outlet #510 Amps Max. (fused)
- Outlet #610 Amps Max. (fused)
- Outlet #710 Amps Max. (fused)
- Outlet #810 Amps Max. (fused)
- Note: Total of Outlets 4 – 8 not to exceed 50 A
- Outlet #90.25 Amps Max. (fused))
- Outlet #100.25 Amps Max. (fused)
- Outlet #110.25 Amps Max. (fused))
- Outlet #12 (horn relay)....0.25 Amps Max. (fused)

Whelen Engineering reserves the right to upgrade and improve products without notice.
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 Code No. 12560C - 09/13



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