CONTROL / SIREN SYSTEMS

CenCom Sapphire™ UK

Manufactured by Whelen® exclusively for Woodway Engineering, the brand new CenCom Sapphire™ UK is the all-in-one solution you have been waiting for. Catered specifically to the needs of our UK customers, the CenCom Sapphire™ is the ultimate siren and light control unit, offering an abundance of features alongside the reliability you have come to expect from Woodway.

No more secondary boxes and mountains of wire to contend with, saving on both time and installation costs. Just plug and go!

KEY FEATURES:

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

Siren Testing Volume Reduction Unit:
The CenCom Sapphire™ UK comes with an STVRU offering enhanced convenience during installation.

Integrated WeCan® serial port:
CenCom Sapphire UK adds an integrated WeCan® serial port for connecting your Whelen® WeCan® series lightbar directly to the unit.

Built in Siren - 200w Speaker Compatibility:
The CenCom Sapphire™ UK can control either a single 100 watt or 2 x 100 watt siren speaker drivers.
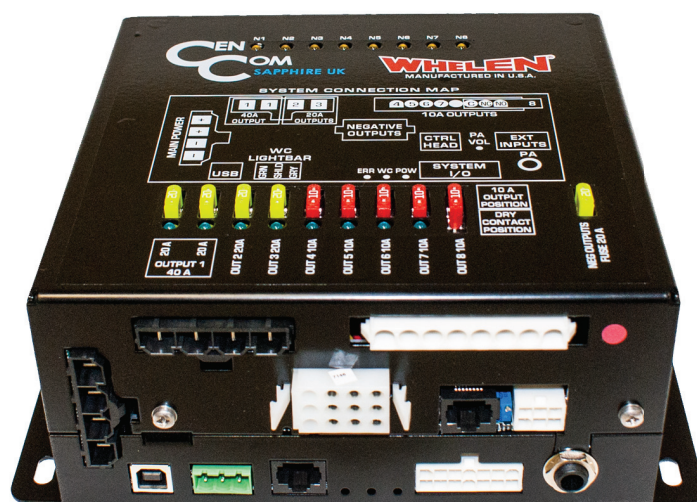
Run Lock:
There is a built-in traditional Run Lock, which can be set to run unlimitedly or up to 4 hours and has conditions linked with the handbrake and footbrake.
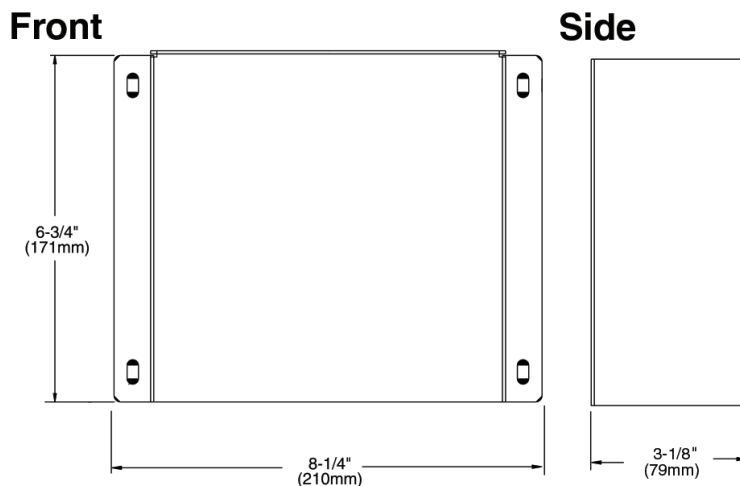
Woodway Switch Panel Connectivity:
The Cencom Sapphire™ UK connects directly with the Opti-Link, Opti-Din and Micro-Link switch panels without needing to use any interface or receiver modules. All switch panels retain existing functionality including external 999 activation, PA and Keypad illumination. New Feature: when paired with the Opti-Link switch panel, the 999 button can now control its own outlets.
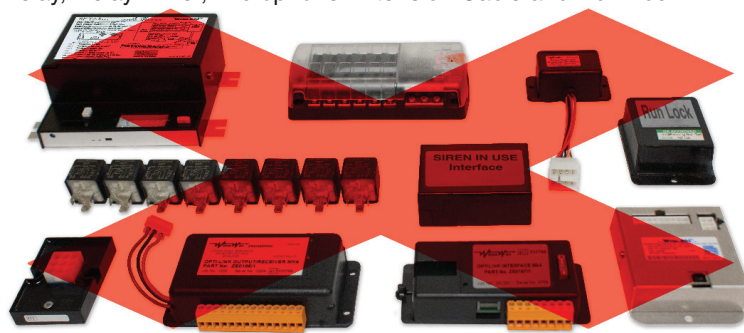

100% Compatible with Woodway Switch Panels

DIMENSIONS:

Front

6-3/4"
(171mm)

8-1/4"
(210mm)

Side

3-1/8"
(79mm)

The CenCom is an all-in-one unit that significantly reduces the amount of parts needed for installation.

Time to say goodbye to the Keypad Interface Module, Output/Receiver Module, Lightbar Interface Box, Siren Amplifier, Rear Fog Flasher, Siren-In-Use Interface, STVRU, Grille Blues LED Relay, Tailgate Switch Relay, Delay Timer, Microphone Extension Cable and Run Lock.

ADDITIONAL FEATURES:

• 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 of the unit.
• Solid-state outputs: one 40-Amp, two 20-Amp, four 10-Amp, and four 250 milliAmp.
• + 8 x 2 Amp Negative Outputs.
• Relay output: one 10-Amp Dry Contact Relay.
• Lightbar: 1 Phoenix style connector for a WeCan® series lightbar.
• Inputs: 3 negative, 3 positive and 4 that are selectable (either negative or positive).
• Easy to configure using the included CenCom Sapphire™ UK Windows application.
• Configured programs may be extracted, modified and stored for ease of service.
• A USB port on the unit provides easy access for programming. The control head does not need to be connected for programming.
• The rugged, aluminium-housed unit is field-serviceable with easy access to fuses and connections.
• Variable delay shutdown timer up to 4 hours after the ignition has been turned off, this can be used to keep sockets or radios alive for this period.
• Load Management feature where you can select a voltage between 10v and 12V (in increments of 0.25V) to load shed circuits.
• Includes all connectors.
• Rugged CAT-5 cable connects the control head to the unit.
• Five-year Heavy-Duty Professional warranty.

IN THE BOX:

1. 1 x CenCom Sapphire UK (not pictured)
2. 1 x RJ45 blanking plug/dust Cap
3. 1 x Software CD
4. 1 x CAT5e extension cable
5. 1 x 3 way WeCan® screw terminal plug
6. 2 x 4 way Molex Mini-Fit Senior black female plug (Main Power)
7. 1 x 14 way Tyco Mini Universal Mate N Lok Female Plug
8. 1 x 12 way Tyco Commercial Mate N Lok Male Plug
9. 1 x 8 way Tyco Universal Mate N Lok Female plug
10. 1 x 6 way Tyco Mini Universal Mate N Lok female plug
11. Male and female connectors

TECHNICAL SPECIFICATIONS:

Electrical and physical data:
Output Voltage: @15V @11 Ω, 24V Maximum
Speaker Impedance: 5.5 Ω Minimum
Input Voltage: 12.5V +/- 20% (negative ground only)
Main Input Current: 80 Amps Max.
Standby Current: 100mA
Operating Temp: -30C to +60C
Storage Temp: -40C to +70C
Humidity: 99% (non condensing)

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

Outputs (main outlets are protected by mini blade fuses):
• 1 x 40 Amp split circuit (Positive switching)
• 2 x 20 Amp circuits (Positive switching)
• 4 x 10 Amp circuits (Positive switching)
• 1 x 10 Amp dry contact circuit
• 4 x 250 milliAmp circuits (Positive switching)
• 8 x 2 Amp circuits (Negative switching)

10 Inputs:
• 4 x Positive or Negative inputs (selectable)
• 3 x Positive inputs
• 3 x Negative inputs

Inputs can be Latching, Momentary, Security timed (*see below) or a Variable timer 100ms to 10 minutes.

* There is an 8 second security timer, activated with a double pulse for access to gun boxes or a safe box for documents etc.

MODEL NUMBERS:

CenCom Unit:
CENCOM-UK: CenCom Sapphire UK - Siren-I/O Unit UK Spec
CENCOM-UKH: CenCom Sapphire UK - Siren-I/O Unit UK Spec with Headlamp Flasher

Switch Panels (Connecting cable included):
ADDMLINKCC: Micro-Link, 12V
ADDODINCC: Opti-Din, 12V
ADDOLINKCC: Opti-Link, 12V