



Installation and Operation Instructions Pursuit Siren



Designed in Australia, the Code-3 Pursuit Siren sets a new benchmark in audible warning systems. With two independent 100W speaker channels and multi-voltage operation, the Pursuit Siren is ready for action on the full spectrum of emergency vehicles. Approved to the highest standards in acoustics, EMC and reliability, the siren is fully network compatible and integrates seamlessly with other network enabled products such as the Pursuit Lightbar and Matrix Display, to provide complete vehicle warning systems with truly unique features.

SPECIFICATIONS

Input Voltage Range	10-30 VDC
Current Draw - Standby (Typ.)	10 mA
Current Draw (200W)	18A (12V) / 9A (24V)
Speaker Voltage	33Vrms
Dimensions (H x W x D mm)	65 x 121 x 37
Ambient Operating Temperature	-30 to +65 °C
Features	8 configurable I/O 3 fixed position inputs Over-voltage, under-voltage, thermal shutdown protection and reverse polarity protection (-36V) Public Address Microphone with Adjustable Volume Radio Rebroadcast Capability Software Configurable with USB update. Vehicle Horn Interface (HRT) Output short-circuit protection

CERTIFICATIONS:

ECE R10, SAE J1849 (when paired with C3100 speaker), CISPR-25, RCM



WARNING!

Failure to install or use this product according to manufacturer's recommendations may result in property damage, serious bodily/personal injury, and/or death to you and those you are seeking to protect!



Do not install and/or operate this safety product unless you have read and understand the safety information contained in this manual.

1. Proper installation combined with operator training in the use, care, and maintenance of emergency warning devices are essential to ensure the safety of you and those you are seeking to protect.
2. Exercise caution when working with live electrical connections.
3. This product must be properly grounded. Inadequate grounding and/or shorting of electrical connections can cause high current arcing, which can cause personal injury and/or severe vehicle damage, including fire.
4. Proper placement and installation are vital to the performance of this warning device. Install this product so that output performance of the system is maximised and the controls are placed within convenient reach of the operator so that s/he can operate the system without losing eye contact with the roadway.
5. It is the responsibility of the vehicle operator to ensure during use that all features of this product work correctly. In use, the vehicle operator should ensure the projection of the warning signal is not blocked by vehicle components (i.e., open trunks or compartment doors), people, vehicles or other obstructions.
6. The use of this or any other warning device does not ensure all drivers can or will observe or react to a warning signal. Never take the right-of-way for granted. It is your responsibility to be sure you can proceed safely before entering an intersection, driving against traffic, responding at a high rate of speed, or walking on or around traffic lanes.
7. This equipment is intended for use by authorized personnel only. The user is responsible for understanding and obeying all laws regarding warning signal devices. Therefore, the user should check all applicable city, state, and federal laws and regulations. The manufacturer assumes no liability for any loss resulting from the use of this warning device.
8. Keep your attention on the road. Don't try to operate or focus on any device while you're driving.

INSTALLATION & MOUNTING

Before installation, examine the equipment for transit damage. Do not use damaged or broken parts.

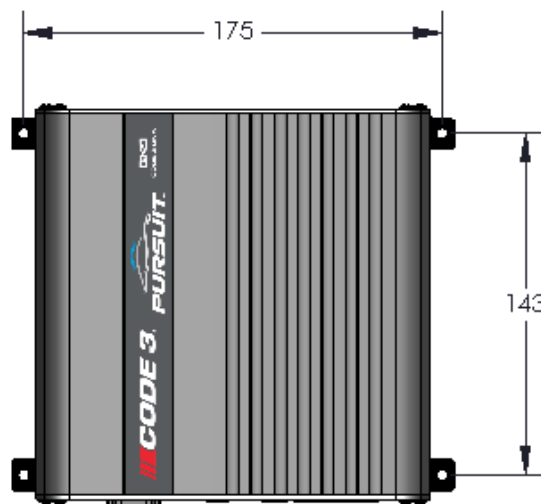
Important! This unit is a safety device and it must be connected to its own separate, fused power source to assure its continued operation should any other electrical accessory fail.

Caution: When drilling into any vehicle surface, make sure the area is free from any electrical wires, fuel lines, vehicle upholstery, etc. that could be damaged.

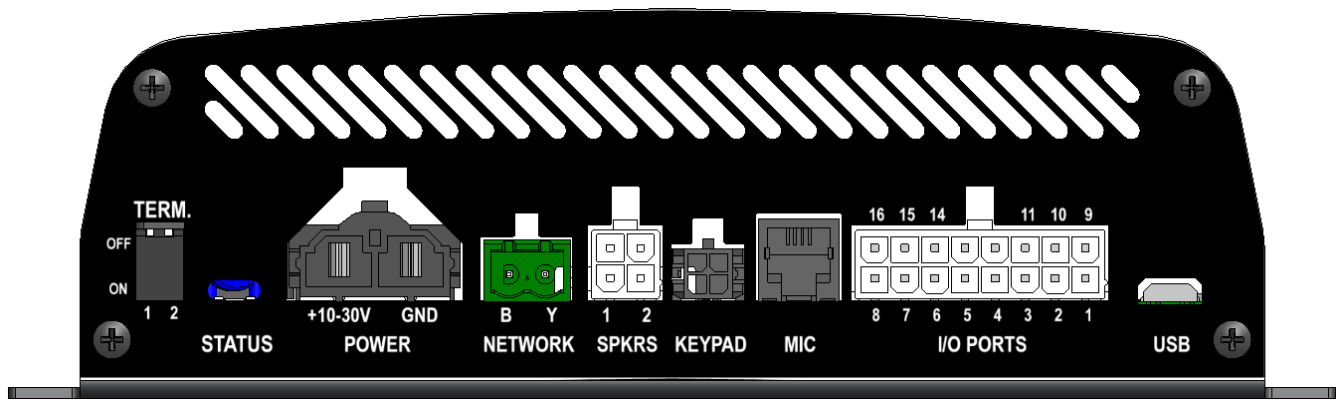
Before any installation work is carried out, plan where the various components will be mounted and what route the wiring will take. The siren can be mounted by screwing it into any flat surface using the 4 x supplied screws, preferably with a drip loop so it is not possible for water to run down the cables into the unit.

THE SIREN IS NOT WATERPROOF. IT MUST BE MOUNTED WITHIN THE VEHICLE CABIN.

Suggested mounting locations include the boot, under passenger seat or passenger footwell area.



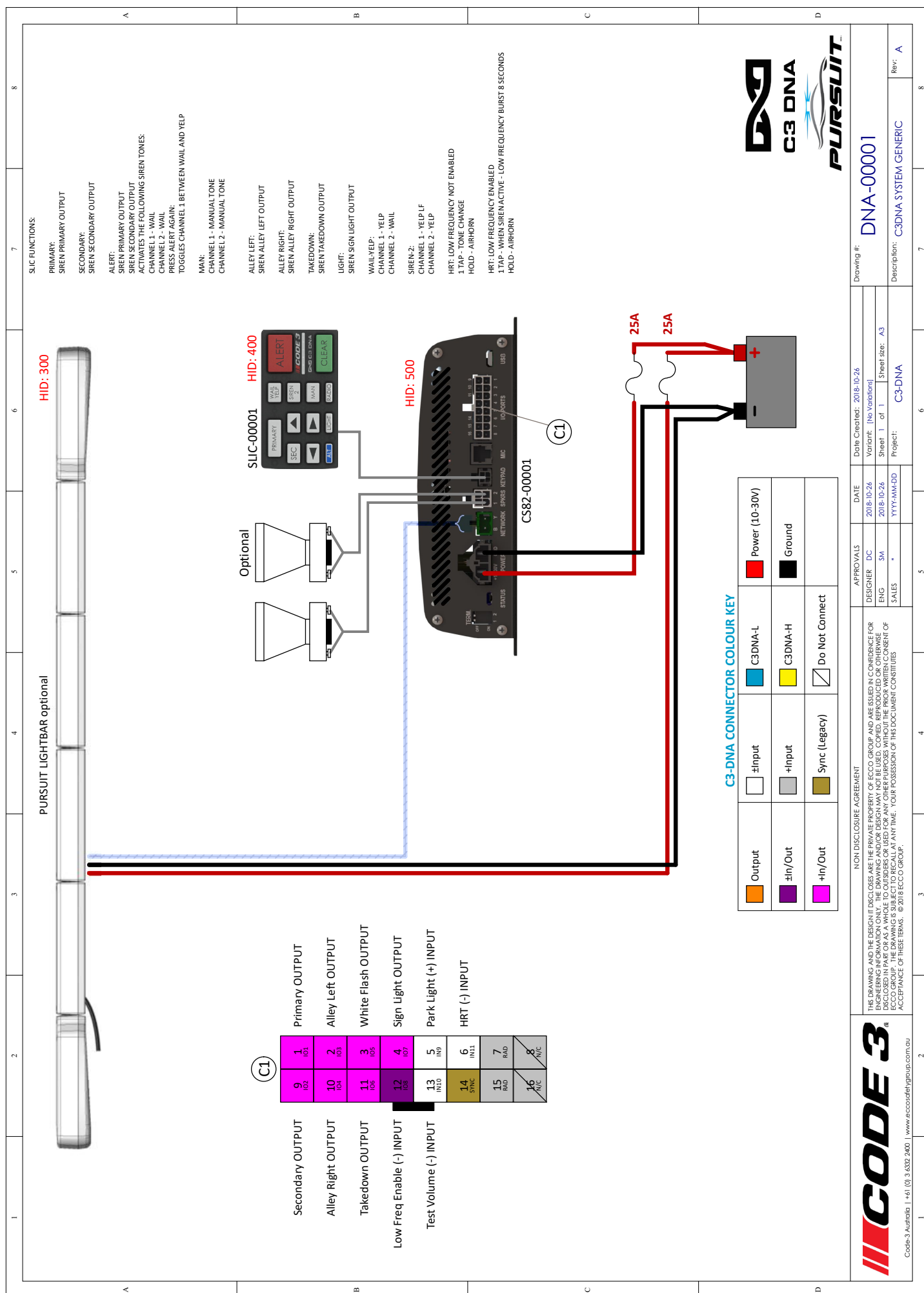
WIRING INSTRUCTIONS



Before proceeding with installation, plan all cable routing and wiring carefully.

PORT	REF	DESCRIPTION
TERM.		Network termination setting. Default 1=ON; 2=OFF. For further details, refer to Network Application Note.
STATUS		The Status LEDs indicate various aspects of the current operation of the siren. RED = Bootloader (programming mode / firmware update).
POWER	+10-30V	Connect to 4.5mm ² (10 AWG) automotive wire to a fused power source, using the shortest possible wire length. Fuses should be 15A for 100W variants, and 25A for 200W variants. Do not connect this power wire until all other connections have been made to the unit.
	GND	Connect to 4.5mm ² (10 AWG) automotive wire to a good chassis ground point or the battery negative terminal, using the shortest possible wire length.
NETWORK	B	Connect the Blue wire from the HazCAN device(s).*
	Y	Connect the Yellow wire from the HazCAN device(s).*
SPKRS	1	Connect Speaker 1 here.
	2	Connect Speaker 2 here (for 200W applications only).
KEYPAD		Connect HazCAN compatible devices (via extension cable if required) to this port (optional).
MIC		Connect the microphone here.
I/O PORTS		Refer wiring diagram.
USB		Configuration and firmware updates via Software Graphical User Interface.

*Network cable requirements: Twisted pair, 30mm pitch Blue/Yellow. 0.25mm² / 24AWG.



TROUBLESHOOTING:

All products are thoroughly tested prior to shipment. However, should you encounter a problem during installation or during the life of the product, follow the guide below for troubleshooting and repair information. If the problem cannot be rectified using the solutions given below, additional information may be obtained from the manufacturer – contact details are at the end of this document.

PROBLEM	POSSIBLE CAUSE	SOLUTION
Fuse Blows ¹	Wires short circuit	Check power and ground for short circuits
	Faulty unit	If fuse continues to blow after checking the wiring replace the product
Unstable operation	HazCAN wiring fault	Check wire colours match the label positions on siren unit

¹ Note: Always replace the fuse with the same value as shown on the wiring diagram

[illegible]

NOTES

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Manufacturer warrants that on the date of purchase this product will conform to Manufacturer's specifications for this product (which are available from the Manufacturer upon request), and Manufacturer further warrants that this product is free from defects in materials and workmanship. This Limited Warranty extends for twelve (12) months from the date of purchase. Other warranties may apply, call Manufacturer for details. Manufacturer will, at its discretion, repair or replace any product found by the Manufacturer to be defective and subject to this Limited Warranty.

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