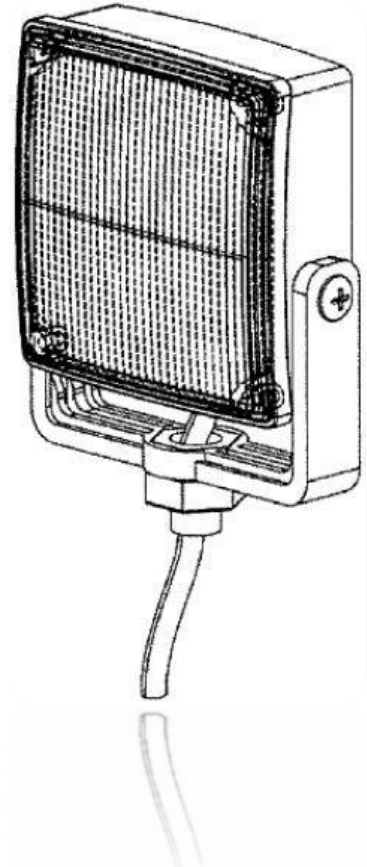


INSTALLATION & OPERATION MANUAL

VIGILED II



CODE 3[®]

VIGILED II INSTALLATION

Code 3 Vigiled II series is a small compact directional LED head with inbuilt flash controller. Ideal for internal, grille, bumper or rear mounting they feature a clear lens with colored LED's.

- Synchronous or Alternative Flash
- Dual Voltage – 12/24V
- Low Power Consumption – 350mA @ 12 Volt / 200mA @ 24 Volt
- Supplied with accessories for surface or bracket mount
- Fully sealed electronics – weatherproof to IP67
- Tough die-cast base and Polycarbonate Lens
- SAE J595 Class 1 (amber)
- ECE R65 (Amber and Blue)

Model Part Numbers	Color
CD0001A	Amber
CD0001B	Blue
CD0001R	Red
CD0001W	Clear (White)

IMPORTANT:

Read all instructions and warnings before installing and using.

INSTALLER: *This manual must be delivered to the end user of this equipment*



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 maximized 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, drive 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.

CD0001x VigiLED II SERIES
EMC DIRECTIVE

This product complies with UN ECE R10 for electro-magnetic compatibility (emc)

To maintain compliance with this directive it is necessary that good installation practice is followed and a qualified electrician should be consulted.

The VigiLED should be fitted using either the swivel bracket or surface mounted and orientated as shown with the cable at the bottom.

1. For bracket mount, drill a 12.5mm (0.49") clearance hole in the required position. Remove the M12 nut and the M12 shake-proof washer from the bolt. Thread the cable through the center hole in the bolt, fix the VigiLED to the bracket using the M5 rubber washers (ensure that this washer is fitted between the VigiLED and the bracket as shown in Fig.1.), and the M5 round cap screws. Fit the assembly through the drilled hole, thread the M12 shake-proof washer and the M12 nut onto the cable and fix to the bolt. The cable should be fitted with a suitable gland or grommet to ensure a weather proof seal. Ensure that the wire ends of the cable and the end of the cable sheath where connected to the vehicle battery supply are kept dry by protecting the termination against water ingress or by sealing in some other way.
2. For surface mount, drill two 5.3mm (0.21") clearance holes in the panel 42mm (1.65") apart, for the VigiLED to the panel using the M5 rubber washers and the M5 round cap screws in Fig.2. A hole for the cable entry will be required and a suitable gland or grommet should be used. Ensure that the wire ends of the cable and the end of the cable sheath where connected to the vehicle battery supply are kept dry by protecting the termination against water ingress or by sealing in some other way.
3. Connect the cable to an appropriate power source (10-30 Volts DC); the total length of the connecting cable from the power source to the light should be less than the 10m (32ft).

Connect the **RED** to +VDC (fuse@2A)
 Connect the **BLACK** to the chassis ground

If two or more beacons are required to flash simultaneously then connect as follows:-
 Connect the **YELLOW** wires of all the units together for synchronization

When the **YELLOW** wires of all the heads are connected together, the group 1 heads will flash in phase (P1) or 180 degrees out of phase (P2) with group 2 heads based in the pattern selected. For example, if the light heads in group 1 have flash pattern 2 selected and group 2 light heads have pattern 3 selected, the group 1/group 2 heads will flash in a five flash alternating mode.

Fig.1.

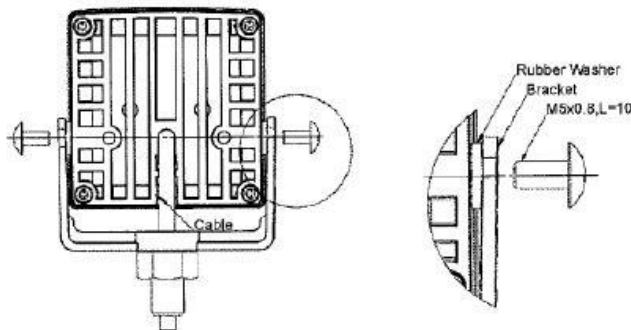
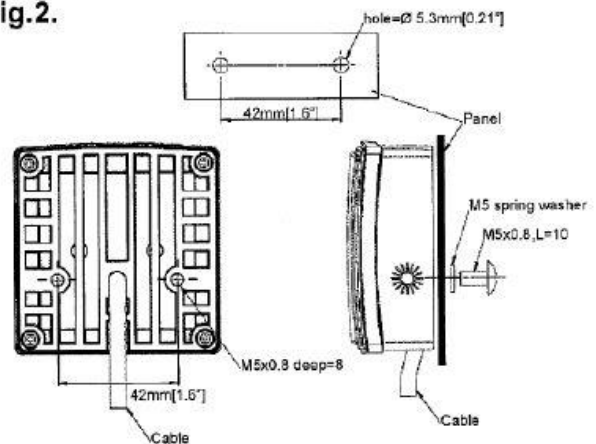


Fig.2.



Flash Patterns

Number	Description
1	FIVE FLASH ALT
2	FIVE FLASH SIM P1
3	FIVE FLASH SIM P2
4	QUAD FLASH ALT
5	QUAD FLASH SIM P1
6	QUAD FLASH SIM P2
7	SINGLE FLASH 75 ALT
8	SINGLE FLASH 75 SIM P1
9	SINGLE FLASH 75 SIM P2
10	SINGLE FLASH 375 ALT
11	SINGLE FLASH 375 SIM P1
12	SINGLE FLASH 375 SIM P2
13	QUAD-SQUAD FLASH ALT
14	QUAD-SQUAD FLASH SIM
15	MODULATION FLASH ALT
16	MODULATION FLASH SIM
17	QUAD-SQUAD SCAN
18	STEADY BURN WITH SINGLE AND SINGLE POP
19	STEADY BURN - 5 SINGLE
20	STEADY BURN
21	CYCLE FLASH
22	SINGLE FLASH 120 SIM P1 (R65) DEFAULT
23	SINGLE FLASH 120 SIM P2 (R65)
24	TURN OFF

To select flash pattern, apply the BLUE wire +VDC

- Less than 1 second for next pattern
- More than 1 second for previous pattern
- More than 5 seconds for turn off, when power is reapplied it will resume the previous pattern

Notes

WARRANTY

Code 3, Inc.'s emergency devices are tested and found to be operational at the time of manufacture. Provided they are installed and operated in accordance with manufacturer's recommendations, Code 3, Inc. guarantees all parts and components except the lamps to a period of 1 year (unless otherwise expressed) from the date of purchase or delivery, whichever is later. Units demonstrated to be defective within the warranty period will be repaired or replaced at the factory service center at no cost.

Use of lamp or other electrical load of wattage higher than installed or recommended by the factory, or use of inappropriate or inadequate wiring or circuit protection causes this warranty to become void. Failure or destruction of the product resulting from abuse or unusual use and/or accidents is not covered by this warranty. Code 3, Inc. shall in no way be liable for other damages including consequential, indirect or special damages whether loss is due to negligence or breach of warranty.

CODE 3, INC. MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY INCLUDING, WITHOUT LIMITATION, WARRANTIES OF FITNESS OR MERCHANTABILITY, WITH RESPECT TO THIS PRODUCT.

PRODUCT RETURNS

If a product must be returned for repair or replacement*, please contact our factory to obtain a Return Goods Authorization Number (RGA number) before you ship the product to Code 3, Inc. Write the RGA number clearly on the package near the mailing label. Be sure you use sufficient packing materials to avoid damage to the product being returned while in transit.

*Code 3, Inc. reserves the right to repair or replace at its discretion. Code 3, Inc. assumes no responsibility or liability for expenses incurred for the removal and/or reinstallation of products requiring service and/or repair; nor for the packaging, handling, and shipping; nor for the handling of products return to sender after the service has been rendered.

**PROBLEMS OR QUESTIONS? CALL OUR TECHNICAL ASSISTANCE HOTLINE (314) 996-2800
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