

Installation and Operation Instructions CD3766 Directional LED

IMPORTANT! Read all instructions before installing and using. Installer: This manual must be delivered to the end user.



WARNING!

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

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

- Proper installation combined with operator training in the use, care, and maintenance of emergency warning devices are essential to ensure the safety of emergency personnel and the public.
- Emergency warning devices often require high electrical voltages and/or currents. Exercise caution when working with live electrical connections.
- 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 is 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 they can operate the system without losing eye contact with the roadway.
- 5. Do not install this product or route any wires in the deployment area of an air bag. Equipment mounted or located in an air bag deployment area may reduce the effectiveness of the air bag or become a projectile that could cause serious personal injury or death. Refer to the vehicle owner's manual for the air bag deployment area. It is the responsibility of the user/operator to determine a suitable mounting location ensuring the safety of all passengers inside the vehicle particularly avoiding areas of potential head impact.
- 6. It is the responsibility of the vehicle operator to ensure daily 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.
- 7. The use of this or any other warning device does not ensure all drivers can or will observe or react to an emergency warning signal.

 Never take the right-of-way for granted. It is the vehicle operator's responsibility to be sure they can proceed safely before entering an intersection, drive against traffic, respond at a high rate of speed, or walk on or around traffic lanes.
- 8. This equipment is intended for use by authorized personnel only. The user is responsible for understanding and obeying all laws regarding emergency warning 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.

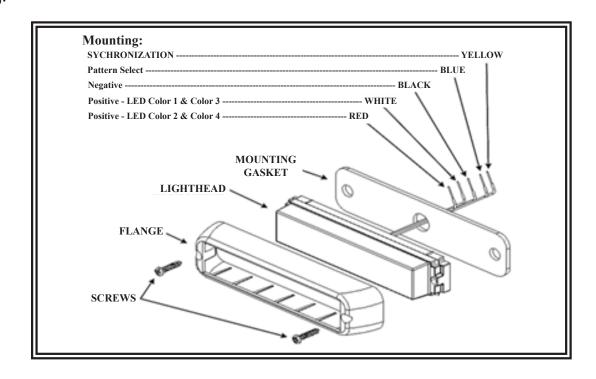
SPECIFICATIONS:

Input Voltage	12-24VDC
Work Current	0.9A Max @ DC12V 0.5A Max @ DC24V
Physical H x W x L	1.07 in x 1.48 in x 6.38 in 2.76 cm x 3.75 cm x 16.2 cm
Ship Weight	0.463 lb (0.21 Kg)

Important! This unit is a safety device and it must be connected to its own separate, fused power point 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

Mounting:



Wire:

RED: Positive, Colors 1 & 3 (need to add 5A fuse) WHITE: Positive, Colors 2 & 4 (need to add 5A fuse)

BLACK: Negative

BLUE: Pattern Select Negative YELLOW: Synchronized Function (Up to 8 units can be Synchronized)

Phase Operation:

Phase 1 (Ph1) flashes simultaneously with Ph1 Phase 2 (Ph2) flashes simultaneously with Ph2

Ph1 alternates with Ph2

(Up to 8 units can be Synchronized)

Apply BLUE TO BLACK wire:

-Less than 1 sec. for next pattern

-Between 1-3 sec for previous pattern

-Between 3-5 sec. for default

	RED	WHITE
Product	1&3 Colors	2&4 Colors
CD3766AG	AMBER	GREEN
CD3766AW	AMBER	WHITE
CD3766BA	AMBER	BLUE
CD3766BW	BLUE	WHITE
CD3766RA	AMBER	RED
CD3766RB	RED	BLUE
CD3766RW	RED	WHITE

Operation Environment:

Ambient Temperature: -30 to 50°C

CD3766 Flash Pattern Chart

no	iteady burn-Color 2 & 4	69 S	36-Default	30-Detault	12
	\sim	2 -		36 7-6-1	11
	: (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4	4			10
	Double 2 Ouad (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)	65 2			9 0
	AE Quad 60FPM (Color 1 Alternately Color 2) Alternately (Color 3 Alternately)	63 E	35	35	¢
	Quad 60FPM Ph2 (Color 1 Synchronous Color 3) Alternately (Color 2 Syn	62 E	34	34	
	Color 1	61 E	33	33	
		60 E	32		,
	20FPM Ph2 Color 1	50 E	31		7
	SAE Quad 120FPM Ph1	57 E			
	120FPM Ph2 Color 1 Synchronous	56 E		32	
	CER65/SAE Quad 120FPM Ph1 Color 1 Synchronous Color 3	55 E	30	31	
	AE/T13 Quad 38FPM Ph2 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4) AE/T13 Quad 38FPM (Color 1 Alternately Color 2) Alternately (Color 3 Alternately Color 4)	53	29	30	
	38FPM Ph1 (Color 1 Synchronous Color 3) Alternately (Color 2 S	52 S	28	28	
	75FPM Ph2 Color 2 Synchronous Color 4	51 S	27		
	75FPM Ph1	50 S	26		6
	Color 1	49 S			
	75FPM Ph I	48 S			
	75FPM Ph2 Color 1	47 S		27	
+		46	20	26	
1	38FPM FIZ (Color 1 Syllemonous Color 3) Alternately (Color 2 Syllemonous Color 3) Alternately (Color 3 Alternately Co	45 #	25	25	
	(Color I Synchronous Color 3) Alternately (Color 2)	43	24	22 23	
	75FPM Ph2 Color 2 Synchronous Color 4	42 S	22	3	
	75FPM Ph1 Color 2 S		21		5
	SAE/T13 Triple 75FPM Ph2 Color 1 Alternately Color 4				
	Triple 75FPM Ph1 Color 1 Alternately Color 4				
1	SAE/T13 Triple 75FPM Ph2 Color 1 Synchronous Color 3			22	
	(2) Alternately (Color 5 Alternate		20	21	
1	CER65/SAE Double 60FPM Ph2 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)		19	30	
	Alternately (Color 2 Sy		18	18	
	ECER65/SAE Double 120FPM Ph2 Color 2 Synchronous Color 4		17		
	ECER65/SAE Double 120FPM Ph1 Color 2 Synchronous Color 4		16		4
1	ECER65/SAE Double 120FPM Ph2 Color 1 Alternately Color 4				
1	ECEROS/SAE Double 120FPM Ph 1 Color 1 Synchronous Color 3			1.7	
	ECER65/SAE Double 120FPM Ph1 Color 1 Synchronous Color 3			16	
	SAE/T13 Double 38FPM (Color 1 Alternately Color 2) Alternately (Color 3 Alternately Color 4)		15	15	
	SAE/T13 Double 38FPM Ph2 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)		14	14	
	SAET13 Double 38FPM Ph1 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)		13	13	
	SAE/T13 Double 75FPM Ph2 Color 2 Synchronous Color 4		12		
	Double	23 S	11		ω
+	SAE/T13 Double 75FPM Ph2 Color 1 Alternately Color 4				
1	SAE/T13 Double 75FPM Ph1 Color 1 Alternately Color 4			i	
1	SAE/T13 Double /3FPM Ph2 Color 1 Synchronous Color 3			17	
ł	Single 18/FPMFPM (Color I Alternately Color 2) Alternately (Color 3 Alternately Color 4)	18	10	110	
1.	ingle 187FPMFPM Ph2 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)		9	9	
<u>.</u>	187FPMFPM Ph1 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous	16 S	8	8	
	Single 375FPMFPM Ph2 Color 2 Synchronous Color 4	15 S	7		
	375FPMFPM Ph1 Color 2		6		2
	ingle 375FPMFPM Ph2 Color 1 Alternately Color 4				
	Single 375FPMFPM Ph1 Color 1 Alternately Color 4				
+	Single 375FPMFPM Ph2 Color 1 Synchronous Color 3			7	
yes	SAD 113 Stigle 30 FM (Color 1 Synchronous Color 3 Single 37 SEPMEPM Pk1 Color 1 Synchronous Color 3	10	J	6	
	AET 13 Single 38FPM Ph2(Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)		4 Λ	4 ۸	
	SAE/T13 Single 38FPM Ph1 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)		. ω	. 3	
	SAE/T13 Single 75FPM Ph2 Color 2 Synchronous Color 4	6 S	2		
	SAE/T13 Single 75FPM Ph1 Color 2 Synchronous Color 4		1		-
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yes	T13 Single 75FPM Ph1 Color 1 Synchronous	2 -		2 -	
		Red & White Wire		Wire	I attell
SYNC.	PATTERNS	LED Color 1 & Color 3 LED Color 2 & Color 4	LED Color 2 & Color 4	Color 3 Red	Pattern

Troubleshooting

The CD3766 series has been factory tested and approved. If the functions of the device fail, please check the following:

- 1. After connecting with the power supply, be sure that the power source end is joined correctly. Make sure there is not a short circuit.
- 2. Plug in the device; ensure the LED power switch is on.

Manufacturer Limited Warranty Policy:

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). This Limited Warranty extends for Sixty (60) months from the date of purchase.

DAMAGE TO PARTS OR PRODUCTS RESULTING FROM TAMPERING, ACCIDENT, ABUSE, MISUSE, NEGLIGENCE, UNAPPROVED MODIFICA-TIONS, FIRE OR OTHER HAZARD; IMPROPER INSTALLATION OR OPERATION; OR NOT BEING MAINTAINED IN ACCORDANCE WITH THE MAINTENANCE PROCEDURES SET FORTH IN MANUFACTURER'S INSTALLATION AND OPERATING INSTRUCTIONS VOIDS THIS LIMITED WAR-RANTY.

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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 returned to sender after the service has been rendered.



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