



FLOOR PROJECTED LED WARNING LIGHT SYSTEMS THAT ALERTS PERSONNEL OF OVERHEAD CRANE PROXIMITY

HEAVY DUTY WARNING LIGHT/ SIREN ALERT PERSONNEL WITH AUDIBLE AND VISUAL WARNINGS IN ONE UNIT

HEADS UP! CRANE SAFETY LIGHTS INTRODUCTION

Why are Crane Safety Lights and Warning Buzzers, Horns, and Sirens Important?

Many construction and manufacturing companies use overhead cranes to transport loads from one area to another. These overhead cranes are heavily used, daily. Often, employees are hard at work in the same vicinity as the overhead cranes while they are in use. Crane's impressive lifting capabilities paired with a lack of situational awareness can lead to major injuries in the workplace. Accident or injury in the workplace is unfortunate because it leads to both monetary losses as well as physical harm to an employee.

Warning Sirens, Buzzers, and Horns (Audible Signal)

For many years, audible alarms have been the solution to creating awareness of the proximity of an overhead crane or load. Per OSHA, cranes equipped with radio controls or cab controls are required to have horns, buzzers, or sirens to provide an audible warning to other personnel while cranes or loads are in motion. Audible alarms are the industry safety standard and a productive safety solution. The alarm tones are loud and clear, undeniably effective in commanding attention. If there is ever limited visual contact, the aggressive audible signal will make the crane's location known with its every movement. Another benefit of the audible warning signal is it is universally understood. It does not matter who may encounter the audible warning device, they will know that it is an alert.

Crane Safety Lights (Visual Signal)

As technology continues to advance, another safety solution has become increasingly popular, crane safety lights. Crane safety lights both complement and adds to the application of the audible warning signals. The combination of audible and visual signals acts as the ultimate safety solution.

LED crane safety lights are becoming common as an industry safety standard. LED technology has improved over time. The durability and lumen output of LED lights have been enhanced. The clean, crisp boundaries created by these lights are hard to ignore. Some of the main benefits of implementing the use of crane safety lights for your overhead cranes and hoists include:

- The lights serve as a visual warning to both motorized and pedestrian traffic that is going to be or are in the overhead crane's vicinity
- Visual warning at floor level as well as at a higher elevation
- Reduce operator error and accidents
- Assist operator by giving visual clues for more precise handling avoiding potential hazards
- Ability to withstand harsh weather conditions and harsh environments while producing sufficient illumination in such situations
- Energy efficient
- Application versatility
- Can be installed both indoors and outdoors
- · Can be installed on both new and old crane and hoist builds
- Option of many different configurations to warn personnel of overhead load
 - Lines
 - Spots
 - Boxes
 - Custom Images

The benefits of these affordable and easy-to-install products are a given considering the potential, extreme costs associated with injury and loss of production.

Be Proactive, Not Reactive When it Comes to Your Personnel's Safety

HEADS UP! CRANE SAFETY LIGHTS TABLE OF CONTENTS

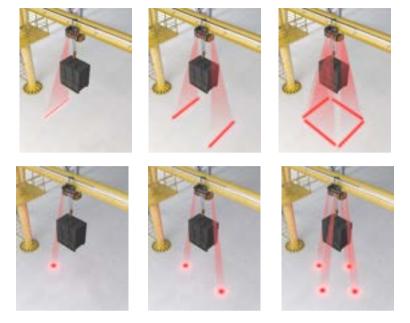
TABLE OF CONTENTS

1. Crane Safety Lights overview / Page 4 2. Max Series / Page 5 a. SB HP & SB Super HP / Page 5 i. Max Series Power Packages / Page 7 1. 460PP-JB-4L / Page 8 2. 460PP-JB-10L / Page 8 3. 460PP-500VA-JB-4L / Page 9 4. 460PP-1KVA-JB-10L / Page 9 5. 575PP-500VA-JB-4L / Page 10 6. 575PP-1KVA-JB-10L / Page 10 b. DES-LL Blue Laser Line Lights / Page 11 c.Power Safe / Page 12 d. Super Safe / Page 13 e. Mini & Mid Safe / Page 14 3. HD Series / Page 15 a. Type MCT / Page 15 b. Pre-Wired Pigtail Option / Page 16 4. MD Series / Page 17 a. Type MCT100 / Page 17 b. Junction Box & Pigtail Options / Page 18

5. Contact Us

HEADS UP! CRANE SAFETY LIGHTS LED SPOT OR LINE LIGHT(S)

TYPICAL CONFIGURATIONS FOR TROLLEY & HOIST APPLICATION



TYPICAL CONFIGURATION FOR BRIDGE APPLICATION LINE LENGTHS ARE ADJUSTABLE TO ACCOMMODATE ANY BRIDGE SPAN



STANDARD AND CUSTOMIZABLE SYMBOLS AVAILABLE



MAX SERIES SB HP & SB SUPER HP

HEAVY DUTY LED LINE LIGHT FOR BRIDGE AND TROLLEY APPLICATIONS. SUGGESTED FOR INSTALLATION HEIGHTS UP TO 20 METERS AND HEAVY DUTY ENVIRONMENTS.

SPECIFICATIONS:

- POWER SUPPLY: 460VAC OR 90-305VAC
- SB HP: 65W (BLUE) 50W (RED)
- SB SUPER HP:98W (BLUE) 80W (RED)
- AMP DRAW AT 120V:
 - SB HP: .54 AMPS (BLUE) .42 AMPS (RED)
 - SB SUPER HP: .82 AMPS (BLUE) .67 AMPS (RED)
- AMP DRAW AT 460V:
 - SB HP: .14 AMPS (BLUE) .10 AMPS (RED)
 - SB SUPER HP: .21 AMPS (BLUE) .17 AMPS (RED)
- PROJECTED SHAPE: LINE (ADJUSTABLE LENGTH)
- OPERATING TEMPERATURE: -40°C TO 60°C (BLUE)
 -40°C TO 50°C (RED)
- MATERIALS: ANODIZED ALUMINUM (HOUSING), PAINTED STEEL (BRACKET), STAINLESS STEEL (SCREWS AND CABLE GLANDS), GLASS (LENSES), EPDM (GASKETS), PVC (LENS COVER)
- IP RATING: IP65
- IK RATING: IK08
- WEIGHT: 4.2 KG
- DIMENSIONS: 262 L X 65 H X 243 W (MM)
- 1 METER OR 3 METER PIGTAIL

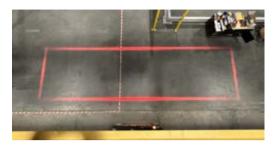
***OPTION OF BLUE OR RED LIGHT**

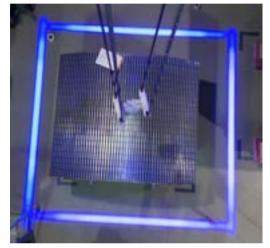
Part Numbers

90-305VAC	460VAC	PRODUCT
LC0117N	LC0117N-HV	SB HP BLUE
LCO118N	LCO118N-HV	SB HP RED
LC0285N	LC0285N-HV	SB SUPER HP BLUE
LC0286N	LC0286N-HV	SB SUPER HP RED

*FOR 3 METER PIGTAIL, ADD -3 TO P/N

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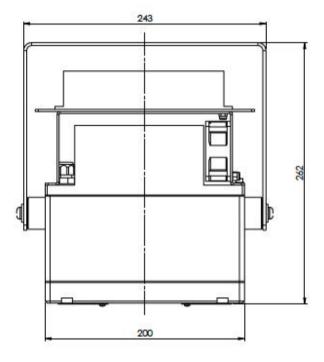


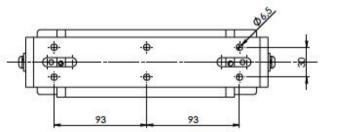


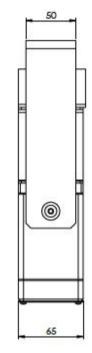


Demo Video

MAX SERIES SB HP & SB SUPER HP







SB HP

JD UL		
Installation Height	Length	Thickness
5.0 M	3.30 M	73.00 mm
5.5 M	3.60 M	80.00 mm
6.0 M	3.90 M	87.00 mm
6.5 M	4.20 M	94.00 mm
7.0 M	4.60 M	102.00 mm
7.5 M	4.90 M	109.00 mm
8.0 M	5.20 M	116.00 mm
8.5 M	5.50 M	123.00 mm
9.0 M	5.90 M	131.00 mm
9.5 M	6.20 M	138.00 mm
10.0 M	6.50 M	145.00 mm

SB SUPER HP

Installation Height	Length	Thickness
8.0 M	5.20 M	116.00 mm
8.5 M	5.50 M	123.00 mm
9.0 M	5.90 M	131.00 mm
9.5 M	6.20 M	138.00 mm
10.0 M	6.50 M	145.00 mm
10.5 M	6.80 M	152.00 mm
11.0 M	7.20 M	160.00 mm
11.5 M	7.50 M	167.00 mm
12.0 M	7.80 M	174.00 mm
12.5 M	8.10 M	181.00 mm
13.0 M	8.50 M	189.00 mm
13.5 M	8.80 M	196.00 mm
14.0 M	9.10 M	203.00 mm
14.5 M	9.40 M	210.00 mm
15.0 M	9.80 M	218.00 mm
15.5 M	10.10 M	225.00 mm
16.0 M	10.40 M	232.00 mm
16.5 M	10.70 M	239.00 mm
17.0 M	11.10 M	247.00 mm
17.5 M	11.40 M	254.00 mm
18.0 M	11.70 M	261.00 mm
18.5 M	12.00 M	268.00 mm
19.0 M	12.40 M	276.00 mm
19.5 M	12.70 M	283.00 mm
20.0 M	13.00 M	290.00 mm

Typically cranes are powered with 460v and have a small 120vac control transformer for small consumers like VFDs, sensors, and other control hardware. Often, an additional transformer is needed for larger consumers like lights.

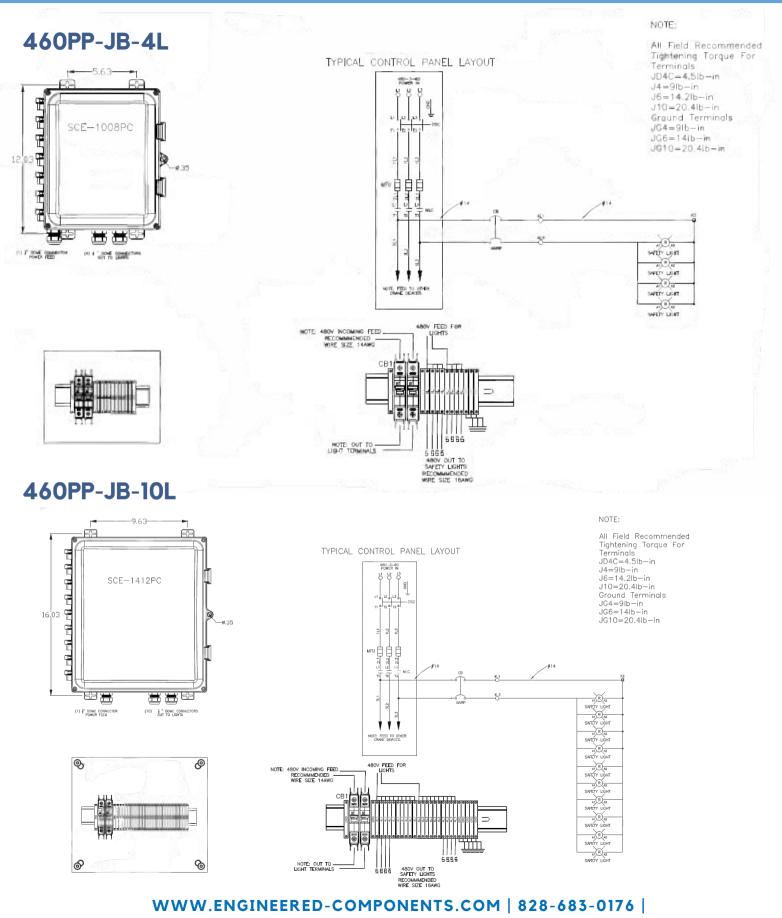
A power package consists of a NEMA 4X junction box with or without a 460VAC to 230VAC transformer, terminals, circuit protection, and cable glands. The step down transformer provides the 230VAC for the lights on the 460V crane and the junction box provides a central wiring point out to the individual lights. **The SB HP, SB Super HP, and the Safe 40 all have an integrated 460VAC power supply so there is no need for a transformer in the junction box**.

The packages are offered in 6 configurations -

- 1. P/N 460PP-JB-4L Junction box to power up to four 460VAC max series lights
- 2. P/N 460PP-JB-10L Junction box to power up to ten 460VAC max series lights
- 3. P/N 460PP-500VA-JB-4L Junction box with 500VA transformer to power up to four 120/230VAC max series lights
- 4. **P/N 460PP-1KVA-JB-10L** Junction box with 1KVA transformer to power up to ten 120/230VAC max series lights
- 5. **P/N 575PP-500VA-JB-4L** Junction box with 500VA transformer to power up to four standard SB HP or Super HP lights
- 6. P/N 575PP-1KVA-JB-10L Junction box with 1KVA transformer to power up to ten standard SB HP or Super HP lights

The pre-engineered Max Series power packages are provided to simplify procurement and installation. The robust design allows these packages to be utilized in most applications.

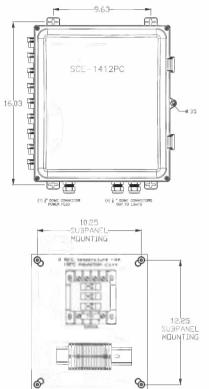
Wiring Diagram

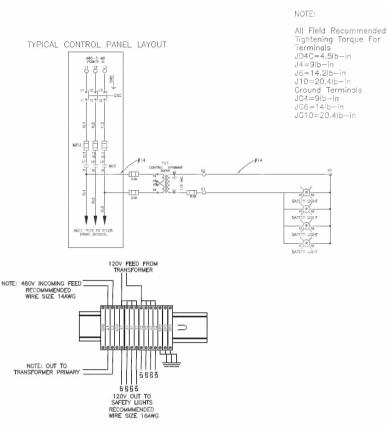


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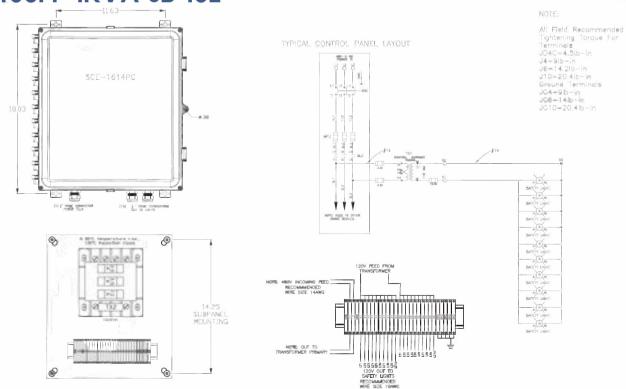
Wiring Diagram

460PP-500VA-JB-4L



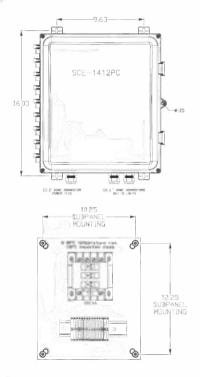


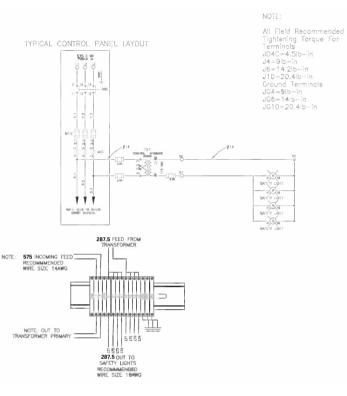
460PP-1KVA-JB-10L



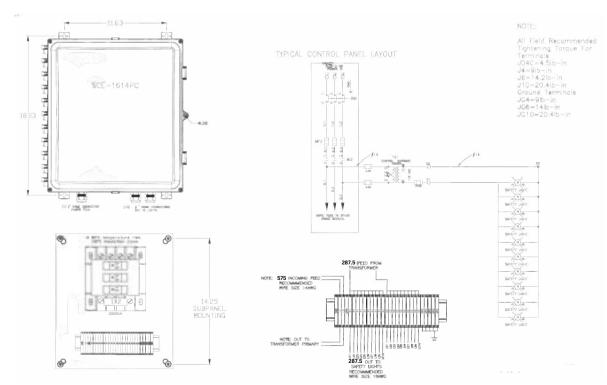
Wiring Diagram

575PP-500VA-JB-4L





575PP-1KVA-JB-10L



MAX SERIES DES-LL BLUE LASER LINE LIGHT

IDEAL FOR BRIDGE LINE LIGHT APPLICATIONS. LASER TECHNOLOGY ALLOWS FOR EXTREMELY LONG LINES AT LOW INSTALLATION HEIGHTS. INCLUDES ADJUSTABLE MOUNTING BRACKET, 3 METER PIGTAIL, AND OPTIONAL PRE-ENGINEERED JUNCTION BOX

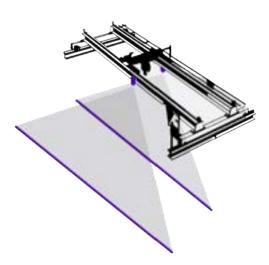
SPECIFICATIONS:

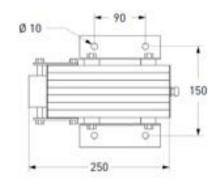
- INPUT VOLTAGE: 85-305VAC
- INPUT CURRENT: .04-.13A
- INPUT FREQUENCY: 50-60 HZ
- MATERIALS: ANODIZED ALUMINUM AND STAINLESS STEEL AISI
- OPERATING TEMPERATURE: -40F-149F (-40C-65C)
- WEIGHT: 4 LBS
- EMITTING ANGLE: 10 DEGREES 100 DEGREES w
- IP65 RATED
- COOLING: STATIC (NO FAN)

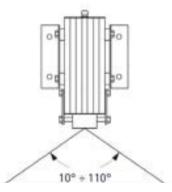
PROJECTED LINE DIMENSIONS

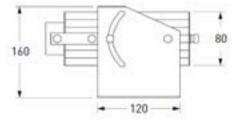
INSTALLATION HEIGHT	P/N DES-LL-A-3	P/N DES-LL-B-3
6 METERS	16.8 M LONG 40 MM THICK	16.8 M LONG 75 MM THICK
8 METERS	22.4 M LONG 60 MM THICK	22.4 M LONG 97 MM THICK
10 METERS	20 M LONG 70 MM THICK	20 M LONG 120 MM THICK
12 METERS	24 M LONG 70 MM THICK	24 M LONG 150 MM THICK
15 METERS	23 M LONG 80 MM THICK	23 M LONG 180 MM THICK
20 METERS	30 M LONG 100 MM THICK	30 M LONG 240 MM THICK

**RECOMMENDED MAXIMUM MOUNTING HEIGHT IS 20 METERS









MAX SERIES POWER SAFE

THIS HEAVY DUTY, 50W PROJECTOR IS IDEAL FOR INSTALLATION HEIGHTS UP TO 13 METERS. INCLUDES INTEGRATED COOLING FAN AND POWER SUPPLY.

SPECIFICATIONS:

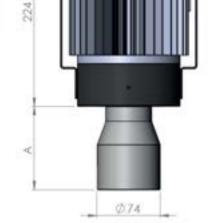
- POWER SUPPLY:
 - 90-305VAC WIRED TO PIGTAIL
 - 460VAC MOUNTED TO LIGHT WITH INTEGRAL MOUNTING BRACKET
- AMP DRAW:
 - AT 120VAC: .45 AMPS
 - AT 230VAC: .25 AMPS
 - AT 460VAC: .12 AMPS
- PROJECTED SHAPE: SPOT, LINE, OR SYMBOL
- OPERATING TEMPERATURE: -40°C TO 50°C
- MATERIALS: ANODIZED ALUMINUM AND PVC (HOUSING), PAINTED STEEL (BRACKET), STAINLESS STEEL (SCREWS AND CABLE GLANDS), GLASS (LENSES), SILICONE (GASKETS)

COMMON SYMBOLS

stop 🛕 🙆 🍈 📫

- WEIGHT: 5 KG
- DIMENSIONS: 160 MM L X 130 MM W X 400 H (MM)
- PIGTAIL: 3M

Installatio	on Height							
METERS	FEET	MINI STD.	MINI WIDE	MID STD.	MID WIDE			
3.05	10	13"	32"	6.5"	18.5"			
4.57	15	20"	49"	9.5"	28"			
6.05	20	26"	65"	13"	37"			
7.62	25	33"	81.5"	16"	47"			
9.15	30			19.5"	56.5"			
10.67	35	NOT DECOMMENDED 23" 65.5"						
12.2	40	NOT RECOMMENDED 26" 75" 29.5 84.5						
13.7	45							



160

A = 80MM-260MM DEPENDING ON REQUIRED OPTIC

AVAILABLE COLORS

WHITE MULT

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MAX SERIES

SUPER SAFE

THIS HEAVY DUTY, HIGH POWER 100W PROJECTOR IS IDEAL FOR BRIGHT AMBIENT LIGHT CONDITIONS AND HIGH INSTALLATION HEIGHTS. INCLUDES INTEGRATED COOLING FAN AND POWER SUPPLY.

SPECIFICATIONS:

- POWER SUPPLY:
 - 90-305VAC WIRED TO PIGTAIL
 - 460VAC MOUNTED TO LIGHT WITH INTEGRAL MOUNTING BRACKET
- AMP DRAW:
 - AT 120VAC: .85 AMPS
 - AT 230VAC: .45 AMPS
 - AT 460VAC: .25 AMPS
- PROJECTED SHAPE: SPOT, LINE, OR SYMBOL
- OPERATING TEMPERATURE: -40°C TO 50°C
- MATERIALS: ANODIZED ALUMINUM AND PVC (HOUSING), PAINTED STEEL (BRACKET), STAINLESS STEEL (SCREWS AND CABLE GLANDS), GLASS (LENSES), SILICONE (GASKETS)
- WEIGHT: 5 KG
- DIMENSIONS: 160 MM L X 130 MM W X 400 H (MM)
- PIGTAIL: 3M

X 🛑



Installation Height				
METERS	FEET	STANDARD OPTIC	WIDE OPTIC	SUPER WIDE OPTIC
3.05	10			
4.57	15		NOT RECOMMENDE	D
6.05	20			
7.62	25	22"	45"	91"
9.15	30	27"	54"	108"
10.67	35	31"	63"	126"
12.2	40	36"	72"	144"
13.7	45	40"	81"	161"
15.24	50	30"	60"	120"
18.3	60	36"	72"	144"

COMMON SYMBOLS



AVAILABLE COLORS WHITE, MULTI

MAX SERIES MINI AND MID

THIS LIGHTWEIGHT, COMPACT 25W PROJECTOR IS IDEAL FOR SMALLER HOISTS THAT HAVE A MAXIMUM INSTALLATION HEIGHT OF 12 METERS.

SPECIFICATIONS:

- POWER SUPPLY: 90-305VAC/50-60HZ
- AMP DRAW AT 120V: .21 AMPS
- OPERATING TEMPERATURE: -40°C TO 50°C
- MATERIALS: ANODIZED ALUMINUM (HOUSING), PAINTED STEEL (BRACKET), STAINLESS STEEL (SCREWS AND CABLE GLANDS), GLASS (LENSES), SILICONE (GASKETS)
- WEIGHT
 - MINI SAFE: 2.5 KG
 - MID SAFE: 3 KG
- DIMENSIONS
 - MINI SAFE: 220MM LONG (INCLUDES MOUNTING BRACKET) X 140MM DIAMETER
 - MID SAFE: 300MM LONG (INCLUDES MOUNTING BRACKET) X
 140MM DIAMETER
 - PIGTAIL: 1.5 M

*460VAC OPTION NOT AVAILABLE WITHOUT JUNCTION BOX AND TRANSFORMER



Installation Height		Mini Safe		Mid Safe
METERS	FEET	STANDARD OPTIC	WIDE OPTIC	
3.05	10	13"	35"	
4.57	15	20"	49"	
6.05	20	26"	65"	
7.62	25			
9.15	30			
10.67	35	NOT RECO	MMENDED	
12.2	40			

COMMON SYMBOLS



HD SERIES TYPE MCT

THE ULTIMATE IN FLEXIBILITY - ONE UNIT WITH 7 SELECTABLE COLORS AND 7 TONES.

ALERT PERSONNEL WITH VISUAL AND AUDIBLE WARNINGS IN ONE UNIT. ROBUST POLYCARBONATE HOUSING THAT ALLOWS FOR USE IN THE MOST DEMANDING ENVIRONMENTS.



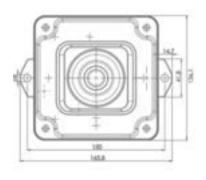
SPECIFICATIONS:

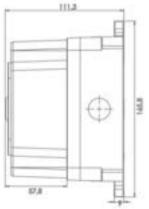
- Choice of Red, Green, Yellow, Blue, White, Light Blue, Violet
- Strobe Light Mode
- 7 tones
- Adjustable via potentiometer, up to 133dB
- 10ms response time
- IP65 thermoplastic housing
- UV resistant
- 12-30VAC/VDC, 48VAC/VDC, and 85-250VAC/VDC
- -20°C to 50°C (-4°F to 122°F)
- 50,000 hours life minimum

» Coding System

HD	-	МСТ	-	13	
Series		Туре		Voltage	
				1828= 85-250V AC/DC * 13 = 12-30V AC/DC	4
				48 = 48V AC/DC	Demo Video

*standard stock item





This unit may also be used as a horn ONLY by disconnecting an internal cable or light ONLY by silencing the alarm with the potentiometer

HD SERIES 6 FOOT PIGTAIL WITH MAGNET MOUNT KIT

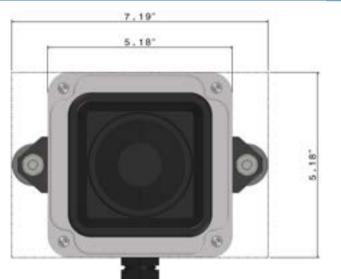


CONVENIENT PACKAGE TO ADD HEAVY DUTY AUDIBLE/VISUAL WARNING TO ANY CRANE SYSTEM

NEMA 4X PROTECTION RATING

MAGNET MOUNTS FOR FLEXIBLE MOUNTING INTERNAL WIRE CONNECTIONS VIA LEVER TERMINALS

PREWIRED 6' PIGTAIL WITH 3/8 NPT CABLE GLAND



HD-1828-MAG-6PT

CAN BE USED AS A HORN OR LIGHT OR BOTH SIMULTANEOUSLY.





MD SERIES TYPE MCT100

THE ULTIMATE IN FLEXIBILITY - ONE UNIT WITH 4 SELECTABLE COLORS, 16 ADJUSTABLE VOLUME TONES, AND 3 LIGHT MODES IN A COMPACT SIZE.

ALERT PERSONNEL WITH VISUAL AND AUDIBLE WARNINGS IN ONE UNIT. MEDIUM DUTY UNIT WITH IMPACT RESISTANT ABS BASE AND POLYCARBONATE LENS. SUITABLE FOR TYPICAL INDUSTRIAL ENVIRONMENTS.



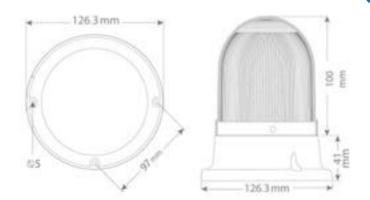
SPECIFICATIONS:

- Choice of Red, Blue, Green, or Yellow via wire connection
- Solid, Flashing, and Strobe Light Modes selectable via push button
- 16 tones selectable via push button
- 93-120dB (adjustable)
- 10ms response time
- IP65 thermoplastic housing
- UV resistant
- 12-24VAC/VDC and 40-250VAC/VDC
- -20°C to 50°C (-4°F to 122°F)
- 50,000 hours life minimum

» Coding System

MD	-	MCT100	-	125	
Series		Туре		Voltage	
				125 = 40-250V AC/DC *	
				115 = 12-30V AC/DC	

*standard stock item



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Demo Video

MD SERIES JUNCTION BOX & 6 FOOT PIGTAIL WITH MAGNET MOUNT KIT



CONVENIENT PACKAGE TO ADD AUDIBLE/VISUAL WARNING TO ANY CRANE SYSTEM

NEMA 4X PROTECTION RATING

MAGNET MOUNTS FOR FLEXIBLE MOUNTING INTERNAL WIRE CONNECTIONS VIA LEVER TERMINALS

PREWIRED 6' PIGTAIL WITH 3/8 NPT CABLE GLAND



OPTION 1 FOR STANDARD 120V CONNECTION MD-MCT100-125-JB-MAG-6PT-2C

8.57"



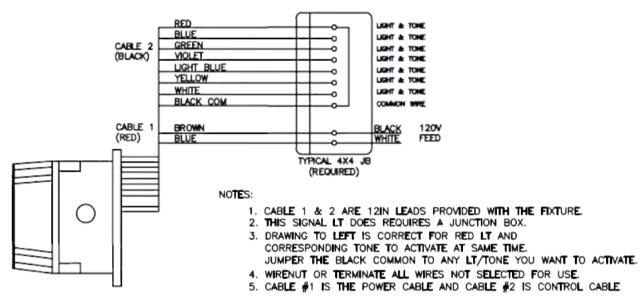
OPTION 2 FOR RADIO CONTROL AUDIBLE/VISUAL WARNING DEVICE MD-MCT100-125-JB-MAG-6PT-5C

CAN BE WIRED TO ACTIVATE LIGHT AND HORN SEPARATELY OR SIMULTANEOUSLY

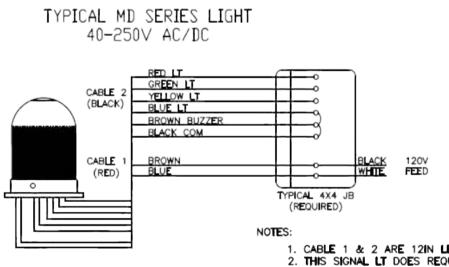
HD & MD SERIES WIRING DIAGRAMS

TYPE HD

TYPICAL HD SERIES LIGHT 85-250V AC/DC



TYPE MD



- 1. CABLE 1 & 2 ARE 12IN LEADS PROVIDED WITH THE FIXTURE.
- 2. THIS SIGNAL LT DOES REQUIRES A JUNCTION BOX.
- 3. DRAWING TO LEFT IS CORRECT FOR BLUE LT AND BUZZER TO ACTIVATE AT SAME TIME.
 - JUMPER THE BLACK COMMON TO THE LT OR BUZZER YOU WANT TO ACTIVATE.
- 4. WIRENUT OR TERMINATE ALL WIRES NOT SELECTED FOR USE.
- 5. CABLE #1 IS THE POWER CABLE AND CABLE #2 IS CONTROL CABLE

CONTACT US

DO NOT HESITATE TO CONTACT US WITH ANY QUESTIONS OR INQUIRIES:

