

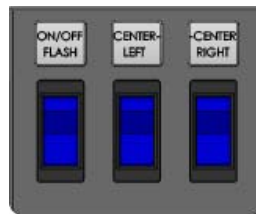
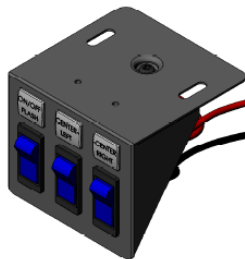


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XT447 LED ARROW STICK LIGHTS



XT447AS

TABLE OF CONTENTS

Safety Warnings	1
Specifications.....	1
Mounting.....	2
Operation	3
Patterns	4
Adjustment	6
Troubleshooting	6

Safety Warnings

WARNING!



This Product contains high intensity LED devices. To prevent eye damage, DO NOT stare into light beam at close range.



WARNING!

The use of this or any warning device does not insure that all drivers can or will observe or react to an emergency 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.

The effectiveness of this warning device is highly dependent upon correct mounting and wiring. Read and follow the manufacturer's instructions before installing or using this device. The vehicle operator should insure daily that all features of the device operate correctly. In use, the vehicle operator should insure the projection of the warning signal is not blocked by vehicle components (i.e.: open trunks or compartment doors), people, vehicles, or other obstructions. This equipment is intended for use by authorized personnel only. It is the user's responsibility to understand and obey all laws regarding emergency warning devices. The user should check all applicable city, state and federal laws and regulations.

Code 3, Inc., assumes no liability for any loss resulting from the use of this warning device. Proper installation is vital to the performance of this warning device and the safe operation of the emergency vehicle. It is important to recognize that the operator of the emergency vehicle is under psychological and physiological stress caused by the emergency situation. The warning device should be installed in such a manner as to: A) Not reduce the output performance of the system, B) Place the controls within convenient reach of the operator so that he can operate the system without losing eye contact with the roadway.

Emergency warning devices often require high electrical voltages and/or currents. Properly protect and use caution around live electrical connections. Grounding or shorting of electrical connections can cause high current arcing, which can cause personal injury and/or severe vehicle damage, including fire.

PROPER INSTALLATION COMBINED WITH OPERATOR TRAINING IN THE PROPER USE OF EMERGENCY WARNING DEVICES IS ESSENTIAL TO INSURE THE SAFETY OF EMERGENCY PERSONNEL AND THE PUBLIC.

IMPORTANT: Please be sure to check that the product is properly fused. **Installing the XT447 LED light without the appropriate fuse will void the warranty.**

Specifications

	XT447AS
Input Voltage	11-30VDC
Peak Input Current	6 Amp
Output Power	72 W
Flash Patterns	32
Fuse(User supplied)	10A
STORAGE TEMPERATURE RANGE	-40°C ~ +90°C

Mounting

Mount the XT447 LED light using the brackets supplied and user supplied mounting screws.

CAUTION: *Be certain that you have selected a mounting location that does not obstruct the driver's vision and allows safe operation of the vehicle. Check the chosen mounting location to ensure that the vehicle's structure and material is adequate to support the weight of your light.*

Operation

ON/OFF FLASH SWITCH : The 3 states rocker switch use for control the LED flash brightness / off states.

CENTER LEFT SWITCH: The rocker switch control bright from right to left.

CENTER RIGHT SWITCH: The rocker switch control LED from left to right.

ON/OFF/PATTERN SELECT MODULER:

DN= Turn the 2 states switch off / Turn the 3 states switch with DOWN mode.

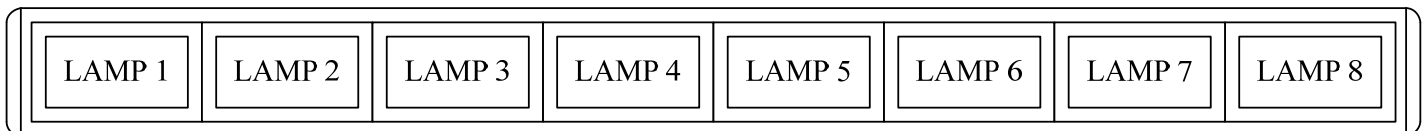
UP= Turn the 2 states switch on / Turn the 3 states switch with UP mode.

X = Turn the 3 states switch with horizontal mode.

※ The 3 states rocker switch with UP mode is bright state/with DN mode is dim state.

※ The yellow wire touch the black wire could be change the flash pattern group.

Switch State			Operation	NOTE							
ON/OFF FLASH	CENTER LEFT	CENTER RIGHT									
X	DN	DN	OFF	OFF							
UP	DN	DN	FLASH (BRIGHT)	P1	P5	P9	P13	P17	P21	P25	P29
DN	DN	DN	FLASH (DIM)								
UP	UP	DN	RIGHT SWEEP(BRIGHT)	P2	P6	P10	P14	P18	P22	P26	P30
DN	UP	DN	RIGHT SWEEP(DIM)								
UP	DN	UP	LEFT SWEEP(BRIGHT)	P3	P7	P11	P15	P19	P23	P27	P31
DN	DN	UP	LEFT SWEEP(DIM)								
UP	UP	UP	CENTER (BRIGHT)	P4	P8	P12	P16	P20	P24	P28	P32
DN	UP	UP	CENTER (DIM)								



LIGHT ARRAY

Note: Bilateral LAMP of the XT447 use 4 led light .The others use 6 led light.

XT447AS FLASH PATTERN

GROUP #1 ONE LAMP SEQUENCE TO DOUBLE FLASH

P1 : FLASH (Flash UP or DN / Left & Right all turn off)

Alternating pairs of lamps light.

EX : 4+5 - 4+5 - 2+3+6+7 - 2+3+6+7

P2 : RIGHT SWEEP

(Flash UP or DN / Left turn off / Right turn on)

Individual lamps light sequentially from Left to Right with the last lamp displaying a double flash pattern.

EX: 1 →2→3→4→5→6→7→8→8

P3: LEFT SWEEP

(Flash UP or DN / Left turn on / Right turn off)

Individual lamps light sequentially from Right to Left with the last lamp displaying a double flash pattern.

EX : 8→7→6→5→4→3→2→1→1

P4: CENTER

(Flash UP or DN / Left turn on / Right turn on)

Individual lamps light sequentially from Center to bipartite with the last lamp displaying a double flash pattern.

EX : 4+5 - 3+6 - 2+7 - 1+8 - 1+8

GROUP #2 TWO LAMP SEQUENCE

P5 : FLASH

(Flash UP or DN / Left & Right all turn off)

Alternating pairs of lamps light.

EX : 4+5 - 2+3+6+7

P6: RIGHT SWEEP

(Flash UP or DN / Left turn off/ Right turn on)

Dual lamps light sequentially from Left to Right with the last lamp displaying a double flash pattern

EX: 1→1+2→2+3→3+4→4+5→5+6→6+7→7+8→8→8

P7: LEFT SWEEP

(Flash UP or DN / Left turn on / Right turn off)

Dual lamps light sequentially from Right to Left with the last lamp displaying a double flash pattern

EX : 8→8+7→7+6→6+5→5+4→4+3→3+2→2+1→1→1

P8: CENTER

(Flash UP or DN / Left turn on / Right turn on)

Dual lamps light sequentially from Center to bipartite with the last lamp displaying a double flash pattern.

EX : 4+5 - 3+4+5+6 - 2+3+6+7 - 1+2+7+8 - 1+8 - 1+8

GROUP #3 FOUR LAMP SEQUENCE

P9 : FLASH

(Flash UP or DN / Left & Right all turn off)

Alternating pairs of lamps light.

EX : 4+5 - 4+5 - 2+3+6+7 - 2+3+6+7

P10 : RIGHT SWEEP

(Flash UP or DN / Left turn off / Right turn on)

Four lamps light sequentially from Left to Right with the last lamp displaying a double flash pattern

EX:1→1+2→1+2+3→1+2+3+4→2+3+4+5→3+4+5+6→4+5+6+7→5+6+7+8→6+7+8→7+8→8→8

P11: LEFT SWEEP

(Flash UP or DN / Left turn on / Right turn off)

Four lamps light sequentially from Right to Left with the last lamp displaying a double flash pattern

EX :8→8+7→8+7+6→8+7+6+5→7+6+5+4→6+5+4+3→5+4+3+2→4+3+2+1→3+2+1→2+1→1→1

P12: CENTER

(Flash UP or DN / Left turn on / Right turn on)

Four lamps light sequentially from Center to bipartite with the last lamp displaying a double flash pattern.

EX :4+5 - 3+4+5+6 - 2+3+4+5+6+7 - 1+2+3+4+5+6+7+8 - 1+2+3+6+7+8 - 1+2+7+8 - 1+8 - 1+8

GROUP #4 SEQUENCE TO SOLID

P13 : FLASH

(Flash UP or DN / Left & Right all turn off)

Alternating pairs of lamps light.

EX : 4+5 - 4+5 - 2+3+6+7 - 2+3+6+7

P14 : RIGHT SWEEP

(Flash UP or DN / Left turn off / Right turn on)

Lamps light sequentially from Left to Right.

EX: 1→1+2→1+2+3→1+2+3+4→1+2+3+4+5→1+2+3+4+5
+6→1+2+3+4+5+6+7→1+2+3+4+5+6+7+8

P15: LEFT SWEEP

(Flash UP or DN / Left turn on / Right turn off)

Lamps light sequentially from Right to Left.

EX: 8→8+7→8+7+6→8+7+6+5→8+7+6+5+4→8+7+6+5+4
+3→8+7+6+5+4+3+2→8+7+6+5+4+3+2+1

P16: CENTER

(Flash UP or DN / Left turn on / Right turn on)

Four lamps light sequentially from Center to bipartite.

EX: 4+5 - 3+4+5+6 - 2+3+4+5+6+7 - 1+2+3+4+5+6+7+8

GROUP #5 ONE LAMP SEQUENCE TO TRIPLE FLASH

P17 : FLASH

(Flash UP or DN / Left & Right all turn off)

Alternating pairs of lamps light.

EX : 4+5 - 4+5 - 2+3+6+7 - 2+3+6+7

P18 : RIGHT SWEEP

(Flash UP or DN / Left turn off / Right turn on)

Individual lamps light sequentially from Left to Right with
the last lamp displaying a triple flash pattern

EX: 1→2→3→4→5→6→7→8→8→8

P19: LEFT SWEEP

(Flash UP or DN / Left turn on / Right turn off)

Individual lamps light sequentially from Right to Left with
the last lamp displaying a triple flash pattern.

EX: 8→7→6→5→4→3→2→1→1→1

P20: CENTER

(Flash UP or DN / Left turn on / Right turn on)

Individual lamps light sequentially from Center to bipartite
with the last lamp displaying a triple flash pattern.

EX: 4+5→3+6→2+7→1+8→1+8→1+8

GROUP #6 SEQUENCE ON - SEQUENCE OFF

P21 : FLASH

(Flash UP or DN / Left & Right all turn off)

Alternating pairs of lamps light.

EX : 4+5 - 4+5 - 2+3+6+7 - 2+3+6+7

P22 : RIGHT SWEEP

(Flash UP or DN / Left turn off / Right turn on)

Three lamps light sequential to solid from Left to Right with
the last lamp displaying a double flash pattern

Ex: 1→1+2→1+2+3→2+3+4→3+4+5→4+5+6→5+6+7→6+
7+8→7+8→8→8

P23: LEFT SWEEP

(Flash UP or DN / Left turn on / Right turn off)

Three lamps light sequential to solid from Right to Left with
the last lamp displaying a double flash pattern

EX : 8→8+7→8+7+6→7+6+5→6+5+4→5+4+3→4+3+2→3
+2+1→2+1→1→1

P24: CENTER

(Flash UP or DN / Left turn on / Right turn on)

Four lamps light sequential to solid from Center to bipartite
with the last lamp displaying a double flash pattern..

EX : 4+5 - 3+4+5+6 - 2+3+4+5+6+7 - 1+2+3+4+5+6+7+8
- 1+2+3+6+7+8 - 1+2+7+8 - 1+8 - 1+8

GROUP #7 SEQUENCE ON - SEQUENCE OFF

P25 : FLASH

(Flash UP or DN / Left & Right all turn off)

Alternating pairs of lamps light.

EX : 4+5 - 4+5 - 2+3+6+7 - 2+3+6+7

P26 : RIGHT SWEEP

(Flash UP or DN / Left turn off / Right turn on)

The lamps light sequential to solid from Left to Right

EX:

1→1+2→1+2+3→1+2+3+4→1+2+3+4+5→1+2+3+4+5+6
→1+2+3+4+5+6+7→1+2+3+4+5+6+7+8→2+3+4+5+6+7+8
→3+4+5+6+7+8→4+5+6+7+8→5+6+7+8→6+7+8→7+8
→8

P27: LEFT SWEEP

(Flash UP or DN / Left turn on / Right turn off)

The lamps light sequential to solid from Right to Left

EX:8→8+7→8+7+6→8+7+6+5→8+7+6+5+4→8+7+6+5+4
+3→8+7+6+5+4+3+2→8+7+6+5+4+3+2+1→7+6+5+4+3
+2+1→6+5+4+3+2+1→5+4+3+2+1→4+3+2+1→3+2+1→
2+1→1

P28: CENTER

(Flash UP or DN / Left turn on / Right turn on)

The lamps light sequential to solid from center to bipartite.

EX: 4+5 - 3+4+5+6 - 2+3+4+5+6+7 - 1+2+3+4+5+6+7+8
- 1+2+3+6+7+8 - 1+2+7+8 - 1+8

GROUP #8 SOLID ARROW

P29 : FLASH

(Flash UP or DN / Left & Right all turn off)

Alternating pairs of lamps light.

EX : 4+5 - 4+5 - 2+3+6+7 - 2+3+6+7

P30 : RIGHT SWEEP

(Flash UP or DN / Left turn off / Right turn on)

Four lamps sequentially on-off.

EX: 5+6+7+8 - 5+6+7+8

P31: LEFT SWEEP

(Flash UP or DN / Left turn on / Right turn off)

Four lamps sequentially on-off.

EX: 1+2+3+4 - 1+2+3+4

P32: CENTER

(Flash UP or DN / Left turn on / Right turn on)

All of the lamps sequentially on-off.

EX: 1+2+3+4+5+6+7+8 - 1+2+3+4+5+6+7+8

Operation Environment

Ambient Temperature: -10 to 45°C

Relative Humidity: 10 to 85%, non-condensing

Adjustment

After the **XT447AS** light is securely installed, loosen the adjusting screws located on each end and tilt the light to the desired angle. Then tighten the screws. Turn the **XT447** LED light on and check the light from the front or rear of the vehicle, through the window, to ensure that it is at the most desirable angle, and that the light is not impeded by any obstacles and/or window tinting.

Troubleshooting

The **XT447AS** have been factory tested and approved. If the light fails to work, check the following:

1. Press the Function Switch (User Supplied) to be sure the "Off" pattern is not selected.
2. Remove the fuse from the vehicle fuse box and check to see if it has blown.

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, LED Lighthouse modules to a period of 5 years (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 a 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 returned to sender after the service has been rendered.

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