970x-72LP-xx NFPA LIGHTBAR

FACTORY SET FLASH PATTERNS

Progressive Slide Switch application:

Mode 1: +12 Vdc **ORANGE** Control Wire Activated
Front Warning Lamps: *Inboard / Outboard - Single Flash 75*
Rear Warning Lamps: *N/A*
Side Warning Lamps: *Alternating Front / Rear, Both Sides Concurrently - Single Flash 75*

Mode 2: +12 Vdc **ORANGE** & **BLUE** Control Wires Activated
Front Warning Lamps: *Combination - Double Flash 110*
Rear Warning Lamps: *N/A*
Side Warning Lamps: *Alternating Left / Right, Front and Rear Lamps Concurrently - Double Flash 110*
Alleys (color) Flashing

Mode 3: +12 Vdc **ORANGE** & **BLUE** & **WHITE/BLACK** Control Wires Activated
Front Warning Lamps: *Combination - Double Flash 110*
Rear Warning Lamps: *N/A*
Side Warning Lamps: *Alternating Left / Right, Front and Rear Lamps Concurrently - Double Flash 110*
Alleys (color) Flashing

Independent Switch application:

Mode A: +12 Vdc **ORANGE** Control Wire Activated
Progressive Slide Mode 1 configuration above, is MODE A

Mode B: +12 Vdc **BLUE** Control Wire Activated
same configuration as Progressive Slide Mode 2 above

Mode C: +12 Vdc **WHITE/BLACK** Control Wire Activated
same configuration as Progressive Slide Mode 3 above

Mode D: +12 Vdc **ORANGE & BLUE** Control Wires Activated
Progressive Slide Mode 2 configuration above, is MODE D

Mode E: +12 Vdc **ORANGE** & **WHITE/BLACK** Control Wires Activated
same configuration as Progressive Slide Mode 3 above

Mode F: +12 Vdc **BLUE** & **WHITE/BLACK** Control Wires Activated
same configuration as Progressive Slide Mode 3 above

Mode G: +12 Vdc **ORANGE & BLUE & WHITE/BLACK** Control Wires Activated
Progressive Slide Mode 3 configuration above, is MODE G

970x-72LP-xx NFPA LIGHTBAR

CONTROL & POWER WIRES

Red	+12 Vdc Power
Black	GROUND
Orange	Mode A Control (Progressive Slide Mode 1)
Blue	Mode B Control
White/Black	Mode C Control
Orange & Blue	Mode D Control (Progressive Slide Mode 2)
Orange & White/Black	Mode E Control
Blue & White/Black	Mode F Control
Orange & Blue & White/Black	Mode G Control (Progressive Slide Mode 3)
Green	LED Low Intensity
Brown	Not Used
White	California Steady
Gray	Not Used
Yellow	Not Used
Red	Preemption Emitter Enable
Violet	Preemption Parking Brake Shutoff and Warning Mode Override to Mode A
Red/White	Not Used
Brown/White	Not Used
Red/White & Brown/White	Not Used
Tan	Not Used
Red/Yellow	Not Used
Red/Black	Not Used
Red/Green	Not Used
White/Blue	Not Used
Pink	Not Used
Pink & White/Blue	Not Used

Mode Activation: All control wires, except Green and Violet, are +12 VDC activated. The Green wire (LED Low Intensity) is GROUND activated. The Violet wire (Parking Brake Shutoff) is configurable for +12 VDC or GROUND (default) activation. The Parking Brake Shutoff mode (for Preemption Emitter) is configurable as Latching or Non-Latching (default), for Warning Override the mode is always Non-Latching.

FUNCTION PRIORITIES - WIRED

California Steady	Highest Priority
LED Low Intensity	
Warning Mode	Lowest Priority

NOTE: Activating the Violet wire will, A) Shutoff the Preemption Emitter if it has been activated, and B) Override the Warning Mode, switching to Mode A/Progressive Slide Mode 1, if a Warning Mode other than Off or Mode A is currently activated.

970x-72LP-xx NFPA LIGHTBAR

DIGITAL CONTROL

Red	+12 Vdc Power
Black	GROUND
Orange	Preemption Emitter Enable
Brown	Preemption Parking Brake Shutoff and Warning Mode Override to Mode A
DCP 1 Button	Not Used
DCP 2 Button	Not Used
DCP 3 Button	Not Used
DCP 4 Button	Not Used
DCP 5 Button	Not Used
DCP 6 Button	Not Used

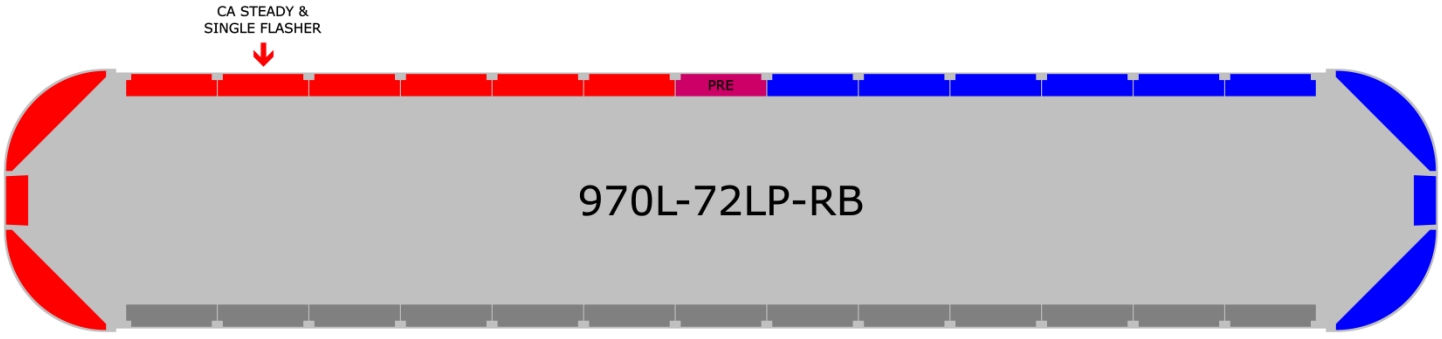
Mode Activation: The Orange wire is +12 VDC activated. The Brown wire (Parking Brake Shutoff) is configurable for +12 VDC or GROUND (default) activation. The Parking Brake Shutoff mode (for Preemption Emitter) is configurable as Latching or Non-Latching (default), for Warning Override the mode is always Non-Latching.

FUNCTION PRIORITIES - DIGITAL

California Steady	Highest Priority
LED Low Intensity	
Warning Mode	Lowest Priority

NOTE: Activating the Brown wire will, A) Shutoff the Preemption Emitter if it has been activated, and B) Override the Warning Mode, switching to Mode A/Progressive Slide Mode 1, if a Warning Mode other than Off or Progressive Slide Mode 1 is currently activated.

Example Layout for 970x-72LP-RB



970x-72LP-xx NFPA LIGHTBAR

FRONT WARNING LAMP PATTERNS:

1) OFF
2) COMBINATION (PATTERN 5, 4, 3, 4, REPEAT)
3) INBOARD / OUTBOARD
4) LEFT / RIGHT
5) ALTERNATING
6) RANDOM
7) SINGLE OUTBOARDS ONLY
8) DUAL OUTBOARDS ONLY
9) SINGLE FLASHER
10) SINGLE INBOARDS ONLY
11) DUAL INBOARDS ONLY
12) ALL ON
13) SWEEP (TRAILING ARROW / ALTERNATING L-R)

Note: All patterns can be programmed to operate with or without (default) a CA Steady lamp. In Program Mode, tap the Violet wire (Wired control) or Brown wire (Digital control) to ground to toggle the CA Steady functionality On and Off.

REAR WARNING LAMP PATTERNS (ALL BLANK, Non Used):

N/A

SIDE WARNING LAMP PATTERNS:

1) OFF
2) ALTERNATING LEFT / RIGHT, REAR SIDE LAMPS ONLY
3) ALTERNATING LEFT / RIGHT, FRONT SIDE LAMPS ONLY
4) ALTERNATING FRONT / REAR, BOTH SIDES CONCURRENTLY
5) ALTERNATING LEFT / RIGHT, FRONT / REAR LAMPS CONCURRENTLY

Note: All patterns can be programmed to operate with or without flashing ALLEYS (color).

FLASH RATES:

1) SINGLE FLASH (75 FPM)
2) DOUBLE FLASH (110 FPM)
3) NEOBE® FLASH (64 FPM)
4) SCROLL FLASH WARNING PATTERNS (4 SECONDS EACH OF ALL RATES)

NOTE: Each section of the lightbar can operate at different flash rates in the same mode **and/or** the lightbar can operate at different flash rates in each mode.