

970x-21DA-xx NFPA LIGHTBAR

FACTORY SET FLASH PATTERNS

Progressive Slide Switch application

Mode 1: +12 Vdc **ORANGE** Control Wire Activated

Front Warning Lamps: *Alternating - 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*

Front Whites Flashing

Side Whites 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*

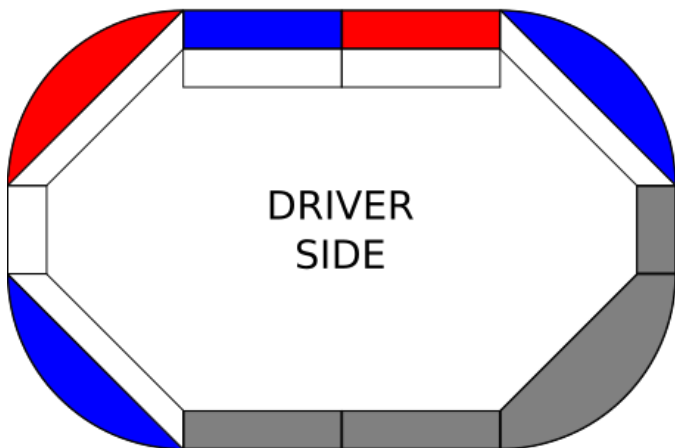
Front Whites Flashing

Side Whites Flashing

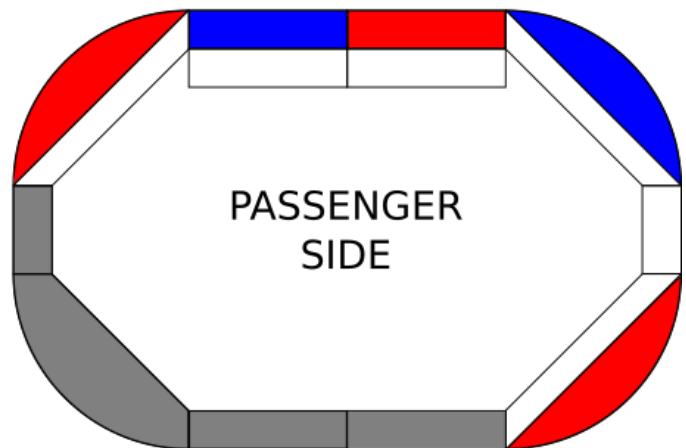
Example Layout for 970x-21DA-RB

FRONT

SINGLE
FLASHER



CA
STEADY



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CONTROL & POWER WIRES

Red	+12 Vdc Power
Black	GROUND
Orange	Mode 1 Control
Orange & Blue	Mode 2 Control
Orange & Blue & White/Black	same as Mode 2
Green	Low Intensity
Brown	Front Whites of Dual Color lamps
White	CA Steady (not overridden by Front Whites)
Red/White	Not Used
Brown/White	Not Used
Red/White & Brown/White	Not Used
Gray	Driver Alley (and Driver Corner Whites)
Yellow	Passenger Alley (and Passenger Corner Whites)
Red	Not Used
Violet	Not Used

Mode Activation: All control wires are +12 VDC activated, except the Green (LED Low Intensity) is GROUND activated.

FUNCTION PRIORITIES - WIRED

California Steady	Highest Priority
Front Whites of Dual Color lamps	
Passenger Alley (and Passenger Corner Whites)	
Driver Alley (and Driver Corner Whites)	
Low Intensity	
Warning Mode	Lowest Priority

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DIGITAL CONTROL

Red	+12 Vdc Power
Black	GROUND
Orange	California Steady
Brown	Not Used
DCP 1 Button	Driver Alley (and Driver Corner Whites)
DCP 2 Button	Passenger Alley (and Passenger Corner Whites)
DCP 3 Button	Front Whites of Dual Color lamps
DCP 4 Button	Not Used
DCP 5 Button	Not Used
DCP 6 Button	Not Used

Mode Activation: All control wires are +12 VDC activated.

FUNCTION PRIORITIES - DIGITAL

California Steady	Highest Priority
Front Whites of Dual Color lamps	
Passenger Alley (and Passenger Corner Whites)	
Driver Alley (and Driver Corner Whites)	
LED Low Intensity	
Warning Mode	Lowest Priority

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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) ALL ON
- 12) SWEEP (TRAILING ARROW / ALTERNATING L-R)

REAR WARNING LAMP PATTERNS (ALL BLANK, Not Used):

N/A

SIDE WARNING LAMP PATTERNS:

- 1) OFF
- 2) REAR SIDE LAMPS ONLY
- 3) 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 ALLEY (and White Corners) lamps.

REAR TRAFFIC DIRECTION LAMP PATTERNS (ALL BLANK, Not Used):

N/A

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.