

970x-53DTP-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 or 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 White TD's Flashing

Side Whites Flashing

Mode 3: +12 Vdc **ORANGE & BLUE & WHITE/BLACK** Control Wires Activated

Same as Mode 2

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 White TD's Flashing

Side Whites Flashing

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 LED Low Intensity

Brown Takedowns (and Front Whites of Dual Color lamps)

White California Steady (not overridden by Takedowns and 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 Pre-emption Enable

Violet Pre-emption Parking Brake Shutoff

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

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FUNCTION PRIORITIES - WIRED

California Steady	Highest Priority
Takedowns (and 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

DIGITAL CONTROL

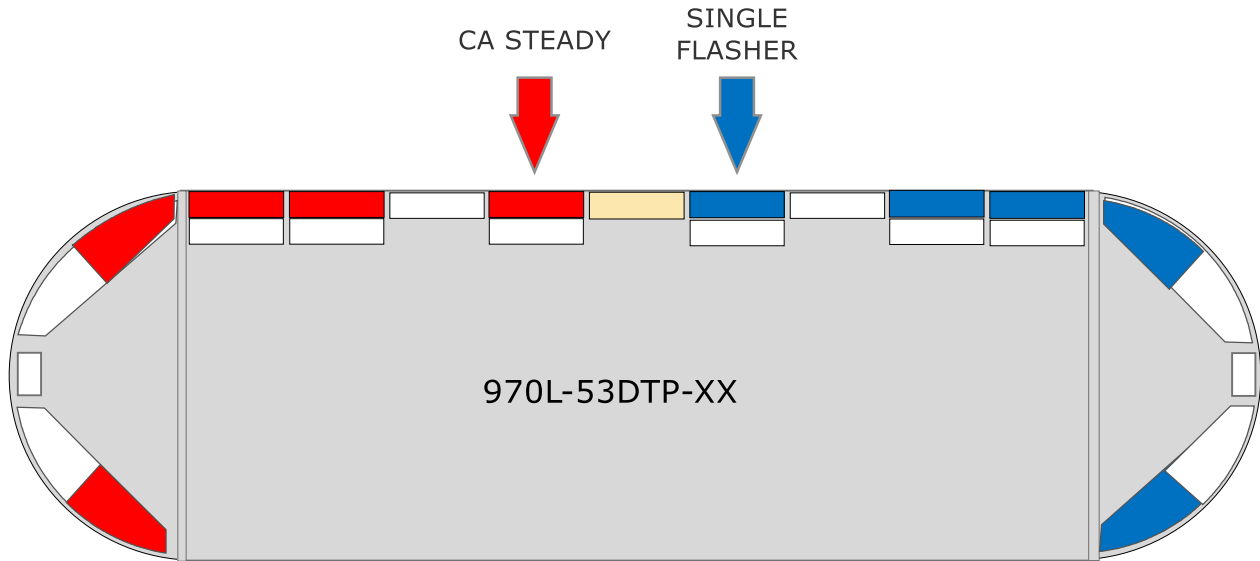
Red	+12 Vdc Power
Black	GROUND
Orange	California Steady
Brown	Not Used
DCP 1 Button	Driver Alley (and Driver Corner Whites)
DCP 2 Button	Passenger Alley (and Passenger Corner Whites)
DCP 3 Button	Takedowns (and Front Whites of Dual Color lamps)
DCP 4 Button	Not Used
DCP 5 Button	Not Used
DCP 6 Button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

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

FUNCTION PRIORITIES - DIGITAL

California Steady	Highest Priority
Takedowns (and 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

Example Layout for 970x-53DTP-RB



970x-53DTP-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 flashing TAKEDOWNS.

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 (and White Corners).

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.