

IS0543
Version 06 Appendix A
970L-XXXX-xxxx LED LIGHTBAR FACTORY SET FLASH PATTERN

Progressive Slide Switch application

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

Front Warning Lamps: Off
Rear Warning Lamps: Combination - Scroll Flash
Side Warning Lamps: Off

Mode 2: +12 Vdc **ORANGE & BLUE** Control Wires Activated

Front Warning Lamps: Combination - Scroll Flash
Rear Warning Lamps: Off
Side Warning Lamps: Front Side Alternating - Scroll Flash

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

Front Warning Lamps: Combination - Scroll Flash
Rear Warning Lamps: Combination - Scroll Flash
Side Warning Lamps: All Side Alternating - Scroll Flash

If ordered, Optional Takedown – Flashing

Traffic Directional Modes:

+12 Vdc **BRN/WHT** Control Wires Activated

Front Warning Lamps: Off
Rear Warning Lamps: LEFT ARROW 8 FULL- Single Flash
Side Warning Lamps: Off

+12 Vdc **RED/WHT** Control Wires Activated

Front Warning Lamps: Off
Rear Warning Lamps: RIGHT ARROW 8 FULL- Single Flash
Side Warning Lamps: Off

+12 Vdc **BRN/WHT & RED/WHT** Control Wires Activated

Front Warning Lamps: Off
Rear Warning Lamps: CENTER OUT 8 FULL - Single Flash
Side Warning Lamps: Off

NOTE: Traffic Directional Mode activation overrides any currently activated Rear Warning Modes. Traffic Direction Mode activation does not override any currently activated Front or Side Warning Modes.

970L CONTROL & POWER WIRES

Red	+12 Vdc Power
Black	GROUND
Orange	Mode 1 Control
Blue	Mode 2 Control
White/Black	Mode 3 Control
Green	Low Intensity
Brown	Takedown
White	Corner Cruise Lights or CA Steady Burn (if shipping to CA) or Rear Work Lights (if ordered)
Red/White	Right Arrow Traffic Directional
Brown/White	Left Arrow Traffic Directional
Red/White & Brown/White	Center-Out Traffic Directional
Gray	Driver Alley
Yellow	Passenger Alley
Red	Preemption Enable
Violet	Preemption Parking Brake Shutoff

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

OPTIONAL S/T/T CONTROL HARNESS

Red	Right Tail	+12 Vdc Activates Right Tail Light Function
Orange	Right Stop	+12 Vdc Activates Right Stop/Turn Light Function
Black	Ground	Common Ground
White	Left Tail	+12 Vdc Activates Left Tail Light Function
Blue	Left Stop	+12 Vdc Activates Left Stop/Turn Light Function
Brown	Ground	Common Ground

Appendix A
970L-XXXX-xxxx FLASH PATTERNS

FRONT WARNING LAMP PATTERNS (LAMPS 1 - 10):

- 1) OFF
- 2) COMBINATION (PATTERN 5, 4, 6, 4, REPEAT)
- 3) INBOARD / OUTBOARD
- 4) LEFT / RIGHT
- 5) ALTERNATING
- 6) RANDOM
- 7) SINGLE OUTBOARDS ONLY
- 8) DUAL OUTBOARDS ONLY
- 9) SINGLE FLASHER - DF3 Lamp
- 10) SINGLE INBOARDS ONLY
- 11) DUAL INBOARDS ONLY
- 12) SWEEP (TRAILING ARROW / ALTERNATING L-R)

Note: All patterns can be programmed to operate with or without flashing TAKEDOWNS.

REAR WARNING LAMP PATTERNS (LAMPS 11 - 20):

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

Note: All patterns can be programmed to operate with or without flashing REARWORKS.

SIDE WARNING LAMP PATTERNS (LAMPS 21-23 (LEFT) AND 24-26(RIGHT)):

- 1) OFF
- 2) REAR SIDE LAMPS ONLY
- 3) FRONT SIDE LAMPS ONLY
- 4) ALL SIDE LAMPS ALTERNATING
- 5) LEFT / RIGHT ALTERNATING (SYNCHED WITH FRONT/REAR)

Note: All patterns can be programmed to operate with or without flashing ALLEY lamps.

REAR TRAFFIC DIRECTION LAMP PATTERNS WITH NO REAR WORK:

- 1) 8 ELEMENT FULL ARROW
- 2) 8 ELEMENT TRAIL ARROW
- 3) 6 ELEMENT FULL ARROW
- 4) 6 ELEMENT TRAIL ARROW

Note: Pattern 3 and 4 can be programmed with SINGLE ALTERNATING or SIMULTANEOUS OUTBOARDS.

REAR TRAFFIC DIRECTION LAMP PATTERNS WITH OUTBOARD REAR WORK:

- 1) 6 ELEMENT FULL ARROW
- 2) 6 ELEMENT TRAIL ARROW

REAR TRAFFIC DIRECTION LAMP PATTERNS WITH CENTER REAR WORK:

- 1) 8 ELEMENT FULL ARROW
- 2) 8 ELEMENT TRAIL ARROW
- 3) 6 ELEMENT FULL ARROW
- 4) 6 ELEMENT TRAIL ARROW

Note: Patterns 3 and 4 can be programmed with SINGLE ALTERNATING or SIMULTANEOUS OUTBOARDS.

FLASH RATES:

- 1) SINGLE FLASH
- 2) DOUBLE FLASH
- 3) NEOBE® FLASH
- 4) SCROLL FLASH WARNING PATTERNS (4 SECONDS EACH OF ALL RATES)
SCROLL FLASH TRAFFIC DIRECTION PATTERNS (2 CYCLES OF PATTERN)

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.