

IS1052
Version 04 Appendix A
970L-53D1-ME02 and 907L-53D1-ME05 LED LIGHTBAR FACTORY SET FLASH PATTERN

Progressive Slide Switch application

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

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

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

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

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

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

Takedowns, Alleys and Corner Whites 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 ARROW 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-53D1-ME02 and 970L-53D1-ME05 CONTROL & POWER WIRES

Red	+12 Vdc Power
Black	GROUND
Orange	Mode 1 Control
Blue	Mode 2 Control
White/Black	Mode 3 Control
Green	LED Low Intensity
Brown	Front White Lamps
White	N/A
Red/White	Right Arrow
Brown/White	Left Arrow
Red/White & Brown/White	Center Out Arrow
Gray	Driver Alley and Corner Whites
Yellow	Passenger Alley and Corner Whites
Red	N/A
Violet	N/A
Tan	N/A
Red/Yellow	N/A
Red/Black	N/A
Red/Green	N/A
White/Blue	N/A
Pink	N/A

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

DIGITAL CONTROL

Red	+12 Vdc Power
Black	GROUND
Orange	Wire 15 (Output when DCP4 Button Pressed)
Brown	Wire 16 (Output when DCP5 Button Pressed)
DCP1 Button	Front Whites
DCP2 Button	Driver Alley and Corner Whites
DCP3 Button	Passenger Alley and Corner Whites
DCP4 Button	Wire 15 (Orange Wire)
DCP5 Button	Wire 16 (Brown Wire)
DCP6 Button	User

OPTIONAL S/T/T CONTROL HARNESS

N/A

Appendix A
970L-53D1-ME02 and 970L-53D1-ME05 FLASH PATTERNS

FRONT WARNING LAMP PATTERNS (LAMPS 1,3,4,5,7,8,10):

- 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
- 10) SINGLE INBOARDS ONLY
- 11) DUAL INBOARDS ONLY
- 12) SWEEP (TRAILING ARROW / ALTERNATING L-R)

REAR WARNING LAMP PATTERNS (LAMPS 11-14, 17-20):

- 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)

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 and CORNER WHITE lamps.

REAR TRAFFIC DIRECTION LAMP PATTERNS WITH NO REAR WORK:

- 1) 8 ELEMENT FULL ARROW (Default)
- 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.

REAR TRAFFIC DIRECTION LAMP PATTERNS WITH OUTBOARD REAR WORK:

N/A

REAR TRAFFIC DIRECTION LAMP PATTERNS WITH CENTER REAR WORK:

N/A

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.

Layout for 970x-53D1-ME05 (ME02 uses amber lamps instead of blues in the rear)

