

**IS0543**  
**Version 06 Appendix**  
**970L-XXXX-xxxx LED LIGHTB R F CTORY SET FL SH P TTERN**

**Progressive Slide Switch application**

**Mode 1:** +12 Vdc **OR NGE** Control Wire ctivated

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

**Mode 2:** +12 Vdc **OR NGE & BLUE** Control Wires ctivated

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

**Mode 3:** +12 Vdc **OR NGE, BLUE & WHITE/BL CK** Control Wires ctivated

Front Warning Lamps: Combination - Scroll Flash  
Rear Warning Lamps: Combination - Scroll Flash  
Side Warning Lamps: ll Side lternating - Scroll Flash

**If ordered, Optio al Takedow – Flashi g**

**Traffic Directio al Modes:**

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

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

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

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

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

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 C Steady Burn (if shipping to C ) |
|                         | or Rear Work Lights (if ordered)     |
| Red/White               | Right rrow Traffic Directional       |
| Brown/White             | Left rrow Traffic Directional        |
| Red/White & Brown/White | Center-Out Traffic Directional       |
| Gray                    | Driver lley                          |
| Yellow                  | Passenger lley                       |
| Red                     | Preemption Enable                    |
| Violet                  | Preemption Parking Brake Shutoff     |

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

**OPTION L S/T/T CONTROL H RNES**

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

**Appendix**  
**970L-XXXX-xxxx FL SH P TTERNNS**

**FRONT W RNING L MP P TTERNNS (L MPS 1 - 10):**

- 1) OFF
- 2) COMBINATION (P TTERNNS 5, 4, 6, 4, REPEAT)
- 3) INBOARD / OUTBOARD
- 4) LEFT / RIGHT
- 5) LTERN TING
- 6) RNDOM
- 7) SINGLE OUTBO RDS ONLY
- 8) DU L OUTBO RDS ONLY
- 9) SINGLE FL SHER - DF3 Lamp
- 10) SINGLE INBO RDS ONLY
- 11) DU L INBO RDS ONLY
- 12) SWEEP (TR ILING RROW / LTERN TING L-R)

**Note:** All patterns can be programmed to operate with or without flashing T KEDOWNS.

**RE R W RNING L MP P TTERNNS (L MPS 11 - 20):**

- 1) OFF
- 2) COMBINATION (P TTERNNS 5, 4, 6, 4, REPEAT)
- 3) INBOARD / OUTBOARD
- 4) LEFT / RIGHT
- 5) LTERN TING
- 6) RNDOM
- 7) SINGLE OUTBO RDS ONLY
- 8) DU L OUTBO RDS ONLY
- 9) SINGLE INBO RDS ONLY
- 10) DU L INBO RDS ONLY
- 11) TRIPLE INBO RDS ONLY
- 12) SWEEP (TR ILING RROW / LTERN TING L-R)

**Note:** All patterns can be programmed to operate with or without flashing RE RWORKS.

**SIDE W RNING L MP P TTERNNS (L MPS 21-23 (LEFT) ND 24-26(RIGHT)):**

- 1) OFF
- 2) RE R SIDE L MPS ONLY
- 3) FRONT SIDE L MPS ONLY
- 4) LL SIDE L MPS LTERN TING
- 5) LEFT / RIGHT LTERN TING (SYNCHED WITH FRONT/RE R)

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

**RE R TR FFIC DIRECTION L MP P TTERN S WITH NO RE R WORK:**

- 1) 8 ELEMENT FULL RROW
- 2) 8 ELEMENT TR IL RROW
- 3) 6 ELEMENT FULL RROW
- 4) 6 ELEMENT TR IL RROW

**Note:** Pattern 3 and 4 can be programmed with SINGLE LTERN TING or SIMULT NEOUS OUTBO RDS.

**RE R TR FFIC DIRECTION L MP P TTERN S WITH OUTBO RD RE R WORK:**

- 1) 6 ELEMENT FULL RROW
- 2) 6 ELEMENT TR IL RROW

**RE R TR FFIC DIRECTION L MP P TTERN S WITH CENTER RE R WORK:**

- 1) 8 ELEMENT FULL RROW
- 2) 8 ELEMENT TR IL RROW
- 3) 6 ELEMENT FULL RROW
- 4) 6 ELEMENT TR IL RROW

**Note:** Patterns 3 and 4 can be programmed with SINGLE LTERN TING or SIMULT NEOUS OUTBO RDS.

**FL SH R TES:**

- 1) SINGLE FL SH
- 2) DOUBLE FL SH
- 3) NEOBE@ FL SH
- 4) SCROLL FL SH W RNING P TTERN S (4 SECONDS E CH OF LL R TES)  
SCROLL FL SH TR FFIC DIRECTION P TTERN S (2 CYCLES OF P TTERN)

**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.