

**IS1035**

**Version 04 Appendix A**

**970x-5810-TW01, 970x-580-TW01RR, 970x-580-TW01RB 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: Rear Sides Alternating - Scroll Flash

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

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

**Traffic Directional Modes:**

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

Front Warning Lamps: Off  
Rear Warning Lamps: LEFT ARROW 6 FULL- Single Flash  
Side Warning Lamps: Off

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

Front Warning Lamps: Off  
Rear Warning Lamps: RIGHT ARROW 6 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 6 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.

**970x-5810-TW01, 970x-580-TW01RR, 970x-580-TW01RB 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	Takedowns
White	Rear Works
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	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.**

**OPTIONAL S/T/T CONTROL HARNESS**

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

**Appendix A**

**970x-5810-TW01, 970x-580-TW01RR, 970x-580-TW01RB 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
- 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 11-14, 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) ALL ON
- 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 REAR WORK:**

- 1) 6 ELEMENT FULL ARROW (Default)
- 2) 6 ELEMENT TRAIL ARROW
- 3) 4 ELEMENT FULL ARROW
- 4) 4 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.