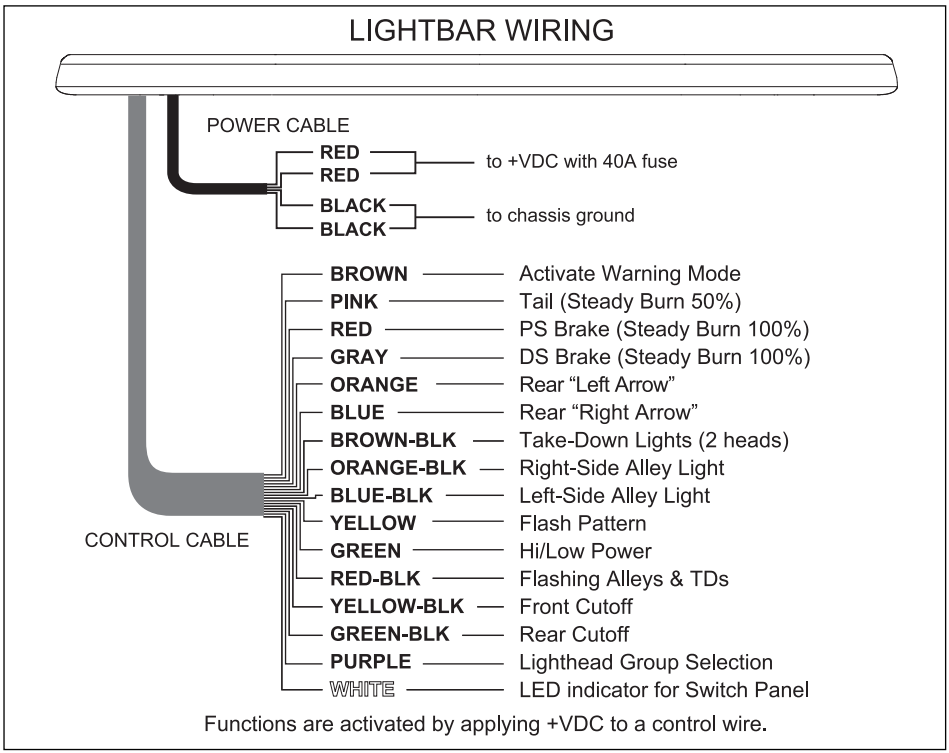
WIRING & FUNCTIONS (S1)

Different applications require different functions. It is highly recommended to determine and configure the required functions prior to Installation.



POWER CABLE

1. Route Power Cable to the vehicle firewall towards the battery.
2. Follow factory wiring harness through the firewall. It may be necessary to drill a hole in the firewall. Ensure that no components are damaged from the drilling.
3. Route the cable to the battery.
4. Splice the 2 **RED** wires to form a single wire.
5. Install a 40Amp fuse (user-supplied) on the end of **RED** wire, then connect to battery.
6. Splice the 2 **BLACK** wires to form a single wire.
7. Connect **BLACK** wire to the factory chassis ground adjacent to the battery.

NOTE: make sure that all wires of power cable are securely connected to power source.

CONTROL CABLE

1. Route Control Cable towards the dash area to a switch panel (user-supplied).
2. Connect the required wires to the switch panel.

WARNING MODE

In Warning Mode, the flash patterns can be selected from a list of standard flash patterns. Activate Warning Mode by applying **+VDC** to **BROWN** wire.

To configure its flash pattern, tap **+VDC** to **YELLOW** wire:

- Once for next pattern (refer to Flash Patterns chart).
- Quickly 3 times for reset to FP#0.

NOTE: This unit may not be factory set at FP#0.

FP#	Flash Patterns
0	Single Slow
1	Single Mid
2	Single Fast
3	Double 1
4	Double 2
5	Quad
6	Quint
7	Ultra
8	Single-Quad
9	Single H/L
10	Random

LIGHTHEAD GROUPING

While in Warning Mode, the Lighthead Groups can be selected by tapping**+VDC** to **PURPLE** wire:

- Once for next grouping (refer to Head Grouping chart).
- Quickly 3 times for reset to HG#1.

HG#	Head Grouping
1	All
2	Split
3	Cross
4	Outside-In
5	Side-by-Side

HG#1 ALL ———— All lightheads will flash at the same time.

HG#2 SPLIT ———— Left side lightheads will alternate with Right side lightheads.

HG#3 CROSS ———— Front-Left & Rear-Right lightheads will alternate with Front-Right & Rear-Left lightheads.

HG#4 OUTSIDE-IN —— Outter lightheads will alternate with Inner lightheads.

HG#5 SIDE-by-SIDE — Odd numbered lightheads will alternate with Even numbered lightheads.

STOP/TAIL/TURN

The 2 outer lightheads in the rear are configured with the Stop/Tail/Turn function.

To activate **STOP/TAIL** function, apply **+VDC** to:

- **PINK** wire for outer lightheads in dim steady burn
- **RED** wire for outer-Left lighthead in steady burn
- **GRAY** wire for outer-Right lighthead in steady burn

Connect the above wires to the appropriate vehicle Stop/Tail switches.

NOTE: If desired, **RED** and **GRAY** wires can be used as **TURN** function by connecting to the appropriate vehicle Turn signal switches.

TRAFFIC ARROWS

Activate Traffic Arrow functions by applying **+VDC** to:

- **ORANGE** wire for Left Arrow.
- **BLUE** wire for Right Arrow.
- **ORANGE** & **BLUE** wires for Center Out.

To configure the Traffic Arrow flash patterns, tap **+VDC** to **YELLOW** wire:

- Once for next pattern (refer to Traffic Arrow Patterns chart).
- Quickly 3 times for reset to FP#0.

FP	Traffic Arrow Patterns
0	Sweep Single
1	Sweep Double
2	Sweep Triple
3	Sweep Single End-Double
4	Solid
5	Solid End-Double
6	Solid Chaser
7	Solid Fade
8	Blink Double
9	Blink Triple
10	Blink Solid

NOTE: Traffic Arrow functions have priority over Warning, Turn, and Tail functions, but has no priority over Stop function.

OTHERS

To activate other functions, apply **+VDC** to:

- **BROWN- BLK** wire for Take Down Lights
- **ORANGE- BLK** wire for Right-Side Alley Light
- **BLUE- BLK** wire for Left-Side Alley Light
- **RED-BLK** wire for flashing Alleys and TDs
- **YELLOW- BLK** wire for Front cutoff
- **GREEN- BLK** wire for Rear cutoff
- **GREEN** wire for Low Power

OPTION (for selected models only)

WHITE wire is to be connected to SW610-T1 Switch Panel (sold seperately).