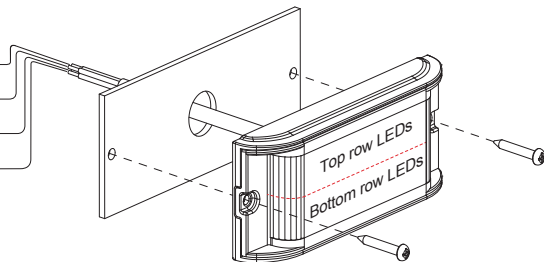


## Surface Mount

To Chassis Ground: .....**BLACK**  
 To +VDC (fuse @ 3A) for Memory2 .....**RED**  
 To +VDC (fuse @ 3A) for Memory1 .....**WHITE**  
 For Synchronization & Function selection ...**YELLOW**

**NOTE:** **RED** wire has priority over **WHITE** wire when both wires are activated.



## Operation

This lighthead is designed with 2 sets of memory to allow instant switch between 2 pre-set flash patterns with a simple switch of a button (user-supplied). Connect **BLACK** wire to Ground, and apply +VDC to **WHITE** wire to activate Memory1 or to **RED** wire to activate Memory2.

### Step 1

#### Select Function & Flash Pattern

- Activate Memory1 by applying +VDC to **WHITE** wire.
- While **WHITE** wire is activated, momentarily apply +VDC to **YELLOW** wire:
  - once for <1 second for next flash pattern.
  - quickly three times for reset to default.



Warning



Steady & Warning



Full Steady

FP#1~13

FP#14

FP#15

Function	FP#	Flash Pattern	
Warning	1	Double (default)	R65
	2	Single	2Hz
	3	Triple	2Hz
	4	Quad	2Hz
	5	Random	-
	6	Single	SAE
	7	Double	SAE
	8	Quad	SAE
	9	Quint	SAE
	10	Mega	-
	11	Ultra	SAE
	12	Single-Quad	-
	13	Single H/L	-
Steady & Warning	14	Steady&Warning	-
Full Steady	15	Full Steady	-

### Step 2

#### Select Mode

- While **WHITE** wire is activated, apply +VDC to **YELLOW** wire for >3 seconds to enter Mode setting.
- Once in Mode setting, lighthead will display dim slow pulses based on its Mode and Group (single or double pulses respectively).
- Momentarily apply +VDC to **YELLOW** wire for <1 second for next Mode. (refer to Mode charts).
- Momentarily apply +VDC to **YELLOW** wire quickly 3 times within 1 second to reset to Mode1.
- When desired mode is selected, apply +VDC to **YELLOW** for >3 seconds or disconnect all power to exit Mode setting.
- To configure Memory2, apply +VDC to **RED** wire and repeat the above steps A & B.



Warning

**NOTE:** For multiple lighthead installation, heads in the same Group flash together. [G1] Heads alternate with [G2] Heads. For synchronization all **YELLOW** wires must be connected together, and set at the same Flash Pattern.

Mode	Warning Effect
① All (single pulse)	→ All [G1]
② All (double pulse)	→ All [G2]
③ Split (single pulse)	→ Split [G1]
④ Split (double pulse)	→ Split [G2]
⑤ Top (single pulse)	→ Top only [G1]
⑥ Top (double pulse)	→ Top only [G2]
⑦ Bottom (single pulse)	→ Bottom only [G1]
⑧ Bottom (double pulse)	→ Bottom only [G2]

All = Top & Bottom simultaneous  
 Split = Top & Bottom alternating

[G1] = Group1 [G2] = Group2



Steady & Warning

Mode		Steady&Warning Effect	
1	All (single pulse)	→	Top Steady & Bottom Double Flash [G1]
2	All (double pulse)	→	Top Steady & Bottom Double Flash [G2]
3	Split (single pulse)	→	Bottom Steady & Top Double Flash [G1]
4	Split (double pulse)	→	Bottom Steady & Top Double Flash [G2]
5	Top (single pulse)	→	Top Steady & Bottom Quad Flash [G1]
6	Top (double pulse)	→	Top Steady & Bottom Quad Flash [G2]
7	Bottom (single pulse)	→	Bottom Steady & Top Quad Flash [G1]
8	Bottom (double pulse)	→	Bottom Steady & Top Quad Flash [G2]

All = Top & Bottom simultaneous  
Split = Top & Bottom alternating

[G1] = Group1 [G2] = Group2



Full Steady

Mode		Full Steady Effect	
1	All (single pulse)	→	All high power
2	All (double pulse)	→	All low power
3	Split (single pulse)	→	All high power
4	Split (double pulse)	→	All low power
5	Top (single pulse)	→	Top high power
6	Top (double pulse)	→	Top low power
7	Bottom (single pulse)	→	Bottom high power
8	Bottom (double pulse)	→	Bottom low power

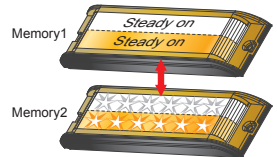
All = Top & Bottom simultaneous  
Split = Top & Bottom alternating

## Examples

### Example Configuration#1:

I would like Memory1 to be Full Steady (All low power), and  
Memory2 to be split Ultra flash (Top row LEDs alternate Bottom row LEDs).

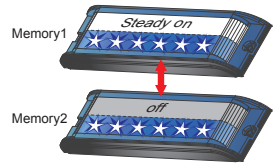
1. Activate **WHITE** wire and select FP#15.
2. Enter Mode setting and select Mode#2.
3. Activate **RED** wire and select FP#11.
4. Enter Mode setting and select Mode#3 (or Mode#4).



### Example Configuration#2:

I would like Memory1 to be Top Steady & Bottom Double Flash, and  
Memory2 to be All Ultra flash.

1. Activate **WHITE** wire and select FP#14.
2. Enter Mode setting and select Mode#1 (or Mode#2).
3. Activate **RED** wire and select FP#11.
4. Enter Mode setting and select Mode#1 (or Mode#2).



## Quick reference chart

	Mode 1	Mode 2	Mode 3	Mode 4	Mode 5	Mode 6	Mode 7	Mode 8
Flash Patterns	1 All Double R65 [G1]	All Double R65 [G2]	Split Double [G1]	Split Double [G2]	Top Double [G1]	Top Double [G2]	Bottom Double [G1]	Bottom Double [G2]
	2 All Single 2Hz [G1]	All Single 2Hz [G2]	Split Single [G1]	Split Single [G2]	Top Single [G1]	Top Single [G2]	Bottom Single [G1]	Bottom Single [G2]
	3 All Triple 2Hz [G1]	All Triple 2Hz [G2]	Split Triple [G1]	Split Triple [G2]	Top Triple [G1]	Top Triple [G2]	Bottom Triple [G1]	Bottom Triple [G2]
	4 All Quad 2Hz [G1]	All Quad 2Hz [G2]	Split Quad [G1]	Split Quad [G2]	Top Quad [G1]	Top Quad [G2]	Bottom Quad [G1]	Bottom Quad [G2]
	5 Random	Random	Random	Random	Random	Random	Random	Random
	6 All Single [G1]	All Single [G2]	Split Single [G1]	Split Single [G2]	Top Single [G1]	Top Single [G2]	Bottom Single [G1]	Bottom Single [G2]
	7 All Double [G1]	All Double [G2]	Split Double [G1]	Split Double [G2]	Top Double [G1]	Top Double [G2]	Bottom Double [G1]	Bottom Double [G2]
	8 All Quad [G1]	All Quad [G2]	Split Quad [G1]	Split Quad [G2]	Top Quad [G1]	Top Quad [G2]	Bottom Quad [G1]	Bottom Quad [G2]
	9 All Quint [G1]	All Quint [G2]	Split Quint [G1]	Split Quint [G2]	Top Quint [G1]	Top Quint [G2]	Bottom Quint [G1]	Bottom Quint [G2]
	10 All Mega [G1]	All Mega [G2]	Split Mega [G1]	Split Mega [G2]	Top Mega [G1]	Top Mega [G2]	Bottom Mega [G1]	Bottom Mega [G2]
	11 All Ultra [G1]	All Ultra [G2]	Split Ultra [G1]	Split Ultra [G2]	Top Ultra [G1]	Top Ultra [G2]	Bottom Ultra [G1]	Bottom Ultra [G2]
	12 All Single-Quad [G1]	All Single-Quad [G2]	Split Single-Quad [G1]	Split Single-Quad [G2]	Top Single-Quad [G1]	Top Single-Quad [G2]	Bottom Single-Quad [G1]	Bottom Single-Quad [G2]
	13 All Single H/L [G1]	All Single H/L [G2]	Split Single H/L [G1]	Split Single H/L [G2]	Top Single H/L [G1]	Top Single H/L [G2]	Bottom Single H/L [G1]	Bottom Single H/L [G2]
	14 Top Steady & Bottom Double Flash [G1]	Top Steady & Bottom Double Flash [G2]	Bottom Steady & Top Double Flash [G1]	Bottom Steady & Top Double Flash [G2]	Top Steady & Bottom Quad Flash [G1]	Top Steady & Bottom Quad Flash [G2]	Bottom Steady & Top Quad Flash [G1]	Bottom Steady & Top Quad Flash [G2]
	15 All High power	All Low power	All High power	All Low power	Top High power	Top Low power	Bottom High power	Bottom Low Power

[G1] = Group1 [G2] = Group2