

Surface Mount

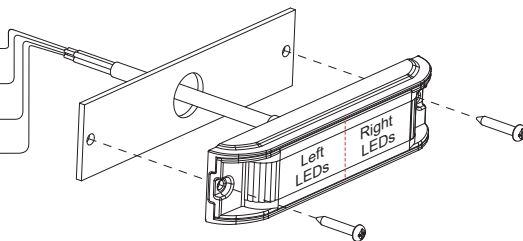
To Chassis Ground:**BLACK**

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 Left (single pulse)	Left only [G1]
6 Left (double pulse)	Left only [G2]
7 Right (single pulse)	Right only [G1]
8 Right (double pulse)	Right only [G2]

All = Left & Right simultaneous
Split = Left & Right alternating

[G1] = Group1 [G2] = Group2



Steady & Warning

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

All = Left & Right simultaneous
Split = Left & Right 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	Left (single pulse)	→	Left high power
6	Left (double pulse)	→	Left low power
7	Right (single pulse)	→	Right high power
8	Right (double pulse)	→	Right low power

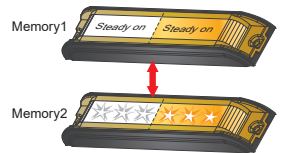
All = Left & Right simultaneous
Split = Left & Right alternating

Examples

Example Configuration#1:

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

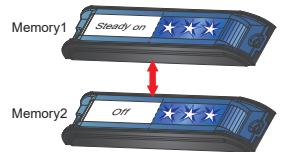
1. Activate **WHITE** wire and select FP#15.
2. Enter Mode setting and select Mode#2.
3. Activate **RED** wire and select FP#11.
4. Enter Mode setting and select Mode#3 (or Mode#4).



Example Configuration#2:

I would like Memory1 to be Left Steady & Right 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]	Left Double [G1]	Left Double [G2]	Right Double [G1]	Right Double [G2]
	2 All Single 2Hz [G1]	All Single 2Hz [G2]	Split Single [G1]	Split Single [G2]	Left Single [G1]	Left Single [G2]	Right Single [G1]	Right Single [G2]
	3 All Triple 2Hz [G1]	All Triple 2Hz [G2]	Split Triple [G1]	Split Triple [G2]	Left Triple [G1]	Left Triple [G2]	Right Triple [G1]	Right Triple [G2]
	4 All Quad 2Hz [G1]	All Quad 2Hz [G2]	Split Quad [G1]	Split Quad [G2]	Left Quad [G1]	Left Quad [G2]	Right Quad [G1]	Right Quad [G2]
	5 Random	Random	Random	Random	Random	Random	Random	Random
	6 All Single [G1]	All Single [G2]	Split Single [G1]	Split Single [G2]	Left Single [G1]	Left Single [G2]	Right Single [G1]	Right Single [G2]
	7 All Double [G1]	All Double [G2]	Split Double [G1]	Split Double [G2]	Left Double [G1]	Left Double [G2]	Right Double [G1]	Right Double [G2]
	8 All Quad [G1]	All Quad [G2]	Split Quad [G1]	Split Quad [G2]	Left Quad [G1]	Left Quad [G2]	Right Quad [G1]	Right Quad [G2]
	9 All Quint [G1]	All Quint [G2]	Split Quint [G1]	Split Quint [G2]	Left Quint [G1]	Left Quint [G2]	Right Quint [G1]	Right Quint [G2]
	10 All Mega [G1]	All Mega [G2]	Split Mega [G1]	Split Mega [G2]	Left Mega [G1]	Left Mega [G2]	Right Mega [G1]	Right Mega [G2]
	11 All Ultra [G1]	All Ultra [G2]	Split Ultra [G1]	Split Ultra [G2]	Left Ultra [G1]	Left Ultra [G2]	Right Ultra [G1]	Right Ultra [G2]
	12 All Single-Quad [G1]	All Single-Quad [G2]	Split Single-Quad [G1]	Split Single-Quad [G2]	Left Single-Quad [G1]	Left Single-Quad [G2]	Right Single-Quad [G1]	Right Single-Quad [G2]
	13 All Single H/L [G1]	All Single H/L [G2]	Split Single H/L [G1]	Split Single H/L [G2]	Left Single H/L [G1]	Left Single H/L [G2]	Right Single H/L [G1]	Right Single H/L [G2]
	14 Left Steady & Right Double Flash [G1]	Left Steady & Right Double Flash [G2]	Right Steady & Left Double Flash [G1]	Right Steady & Left Double Flash [G2]	Left Steady & Right Quad Flash [G1]	Left Steady & Right Quad Flash [G2]	Right Steady & Left Quad Flash [G1]	Right Steady & Left Quad Flash [G2]
	15 All High power	All Low power	All High power	All Low power	Left High power	Left Low power	Right High power	Right Low Power

[G1] = Group1 [G2] = Group2