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.
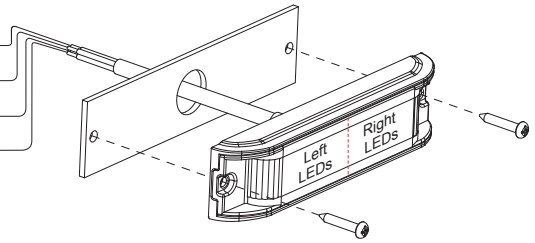
Operation

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

a. Activate Memory1 by applying +VDC to WHITE wire.

b. 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 — FP#1~13

Steady & Warning — FP#14

Full Steady — 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

a. While WHITE wire is activated, apply +VDC to **YELLOW** wire for >3 seconds to enter Mode setting.

b. Once in Mode setting, lighthead will display dim slow pulses based on its Mode and Group (single or double pulses respectively).

c. Momentarily apply +VDC to **YELLOW** wire for <1 second for next Mode. (refer to Mode charts).

d. Momentarily apply +VDC to **YELLOW** wire quickly 3 times within 1 second to reset to Mode1.

e. When desired mode is selected, apply +VDC to **YELLOW** for >3 seconds or disconnect all power to exit Mode setting.

f. To configure Memory2, apply +VDC to RED wire and repeat the above steps A & B.

Warning

NOTE: For mutiple 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
❶	All (single pulse)	All [G1]
❷	All (double pulse)	All [G2]
❸	Split (single pulse)	Split [G1]
❹	Split (double pulse)	Split [G2]
❺	Left (single pulse)	Left only [G1]
❻	Left (double pulse)	Left only [G2]
❼	Right (single pulse)	Right only [G1]
❽	Right (double pulse)	Right only [G2]

All = Left & Right simultaneous   [G1] = Group1   [G2] = Group2
Split = Left & Right alternating

Mode		Steady&Warning Effect
❶	All (single pulse)	Left Steady & Right Double Flash [G1]
❷	All (double pulse)	Left Steady & Right Double Flash [G2]
❸	Split (single pulse)	Right Steady & Left Double Flash [G1]
❹	Split (double pulse)	Right Steady & Left Double Flash [G2]
❺	Left (single pulse)	Left Steady & Right Quad Flash [G1]
❻	Left (double pulse)	Left Steady & Right Quad Flash [G2]
❼	Right (single pulse)	Right Steady & Left Quad Flash [G1]
❽	Right (double pulse)	Right Steady & Left Quad Flash [G2]

Steady & Warning

All = Left & Right simultaneous   [G1] = Group1   [G2] = Group2
Split = Left & Right alternating

| Mode		Full Steady Effect
❶	All (single pulse)	All high power
❷	All (double pulse)	All low power
❸	Split (single pulse)	All high power
❹	Split (double pulse)	All low power
❺	Left (single pulse)	Left high power
❻	Left (double pulse)	Left low power
❼	Right (single pulse)	Right high power
❽	Right (double pulse)	Right low power

Full Steady

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

Examples

Example Configuration#1:
I would like   Memory1 to be Full Steady (All low power), and
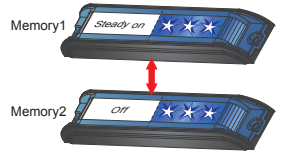Memory2 to be split Ultra flash (Left row LEDs alternate Right row LEDs).

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).
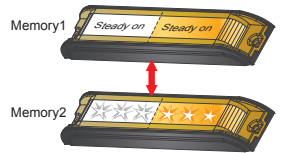
Memory1
Memory2

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).

Memory1
Memory2

Quick reference chart

		Mode ❶	Mode ❷	Mode ❸	Mode ❹	Mode ❺	Mode ❻	Mode ❼	Mode ❽
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