

# DUAL LEVEL MULTI-FUNCTION WARNING LIGHT Manual

86-M08810-0101.0

## Wiring

**BLACK** ——— to Chassis ground

=== UPPER LEVEL ===

**WHITE** ——— **[+]** (fuse @ 0.5A) Steady-burn Low Power **[P2]**

**BROWN** ——— **[+]** (fuse @ 0.5A) Steady-burn High Power **[P1]**

=== LOWER LEVEL ===

**RED** ——— **[+]** (fuse @ 3A) Warning Mode 1 **[P4]** } Warning Mode 3 **[P3]**  
**ORANGE** ——— **[+]** (fuse @ 3A) Warning Mode 2 **[P4]** }

**GREEN** ——— **[+]** (fuse @ 3A) Warning Mode 4 **[P2]**

**BLUE** ——— **[+]** (fuse @ 3A) Low Power or **[+]** Warning Mode 5 **[P1]**  
 (See "WARNING MODE 5 SETTING" for Blue Wire)

**YELLOW** ——— For Setting, Synchronisation and Flash Pattern **[+]**  
 Connect **YELLOW** wires of all lighthoods together for synchronisation.  
 (All lighthoods should be set to the same Flash Pattern)

### NOTE:

**[+]** = Activate the wire function by applying constant +VDC to the wire.

**[Px]** = Precedence order, when more than a wire is activated at the same time, higher precedence wire will affect lower precedence wire. P1 being the highest priority.

## Operation

### For Flash Pattern Selection:

Each Warning mode may select and save one flash pattern. While activating a warning mode, momentarily apply

**YELLOW** wire to +VDC:

- once to the next pattern.
- quickly three times to FP#1.

### Shortcut Setting for Steady EF (External flasher):

This shortcut allow changing all trigger wires to its default color mode and Steady EF pattern at the same time.

While activating any warning mode, momentarily apply **YELLOW** wires to +VDC for more than 4 seconds.

(Visual feedback ON→OFF→ON)

FP#	Flash Pattern	Available Colour Mode	Remark	FP#	Flash Pattern	Available Colour Mode	Remark
1	Double [2HZ]	S / D / T		25	Steady Mid	S / D / T	
2	Single [2HZ]	S / D / T		26	MINI TA RIGHT	S / D / T	
3	Triple [2HZ]	S / D / T		27	MINI TA RIGHT SOLID	S / D / T	
4	Quad [2HZ]	S / D / T		28	MINI TA RIGHT SWEEP - Left Side of a pair	S / D / T	When using as a pair of units
5	Random	S / D / T		29	MINI TA RIGHT SOLID - Left Side of a pair	S / D / T	When using as a pair of units
6	Steady EF	S / D / T	For use with an external flash controller	30	MINI TA RIGHT SWEEP - Right Side of a pair	S / D / T	When using as a pair of units
7	Single [SAE/CA13]	S / D / T		31	MINI TA RIGHT SOLID - Right Side of a pair	S / D / T	When using as a pair of units
8	Double [SAE]	S / D / T		32	Steady Low	S / D / T	
9	Triple [SAE]	S / D / T		33	MINI TA CENTER-OUT	S / D / T	
10	Quad [SAE]	S / D / T		34	MINI TA CENTER-OUT SOLID	S / D / T	
11	Quint [SAE]	S / D / T		35	Steady Cruise	S / D / T	
12	Mega	S / D / T		36	Sweep Single TA	S / D / T	
13	Giga	S / D / T		37	Turn Indicator [ECE Amber / SAE Red]	S / D / T	For use with an Intermittent flash signal with OFF delay
14	Ultra [SAE]	S / D / T		38	Turn Indicator [SAE Amber]	S / D / T	For use with an Intermittent flash signal with OFF delay
15	Single-Quad	S / D / T		39	OFF	S / D / T	
16	Single H/L	S / D / T		40	Single-Single	D	
17	Single-Triple-Quint	S / D / T		41	Double-Double	D	
18	Steady High	S / D / T		42	Triple-Triple Mid	D	
19	MINI TA LEFT SWEEP	S / D / T		43	Triple-Triple Fast	D	
20	MINI TA LEFT SOLID	S / D / T		44	Quint-Triple	D	
21	MINI TA LEFT SWEEP - Left Side of a pair	S / D / T	When using as a pair of units	45	7-1 Flash	D	
22	MINI TA LEFT SOLID - Left Side of a pair	S / D / T	When using as a pair of units	46	Quad-Single	D	
23	MINI TA LEFT SWEEP - Right Side of a pair	S / D / T	When using as a pair of units	47	Quint-Quint	D	
24	MINI TA LEFT SOLID - Right Side of a pair	S / D / T	When using as a pair of units				

S = Single Colour    D = Dual Colour    T = Tri Colour

## Setting Mode

Each Warning mode may select and save its Colour Mode and Flash Group. Power down the unit then apply +VDC to a Warning Mode function wire (**RED** or **ORANGE** or **RED&ORANGE** or **GREEN** or **BLUE**) and **YELLOW** wires simultaneously then remove **YELLOW** wire to enter **SETTING MODE** for the following settings. Save and exit the setting by disconnecting the power.

### For Colour Mode Setting:

Momentarily apply **YELLOW** wire to +VDC for less than 1 seconds to change colour and order. Please refer to the Colour Mode table.

**NOTE:** For Single and Dual Colour Model, only limited modes are available.

### For Simultaneous or Alternating Synchronisation:

To change Group, momentarily apply **YELLOW** wire to +VDC for more than 3 seconds. Display of the lighthood:

- Single flash = Group 1 (Simultaneously)
- Double flash = Group 2 (Alternately)

**NOTE:** Lighthoods of the same Group will flash together; lighthoods of the Group 1 & Group 2 will flash alternately.

### Reset to Factory Default Settings:

Apply to +VDC for more than 5 seconds. The lighthood will display fast short flashes to signify restoring successfully.

## Warning Mode 5 Setting

By default, **BLUE** wire functions as Low Power operation. However, it is possible to set **BLUE** wire function as an extra Warning Mode 5. To config, power down the unit, apply +VDC to a **WHITE** wire and **YELLOW** wires simultaneously then remove **YELLOW** wire to enter **WARNING MODE 5 SETTING MODE**. Momentarily apply **YELLOW** wire to +VDC for less than 1 second to change its setting. Once set, exit the setting by disconnecting the power.

- Steady Low = Low Power Operation (Default)
- Steady High = Warning Mode 5 .



## Default Setting Chart

COLOUR & PATTERN	Single Colour Model	
	Default Colour	Default Pattern
Mode 1	Colour1	35. Steady Cruise
Mode 2	Colour1	1. Double
Mode 3	Colour1	1. Double
Mode 4	Colour1	19. MINI TA LEFT
Mode 5	Colour1	26. MINI TA RIGHT

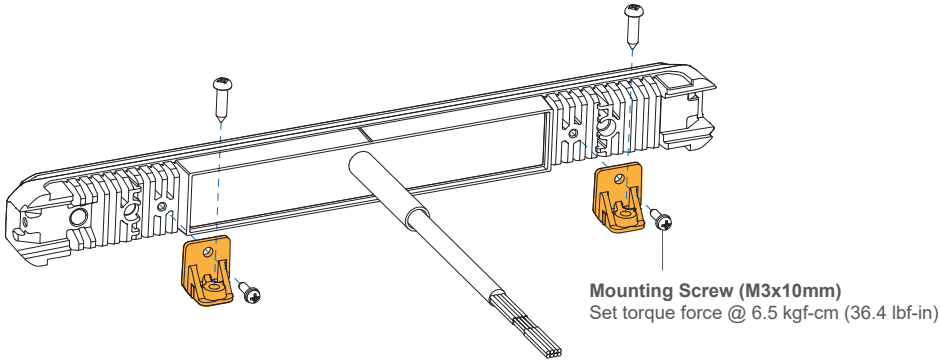
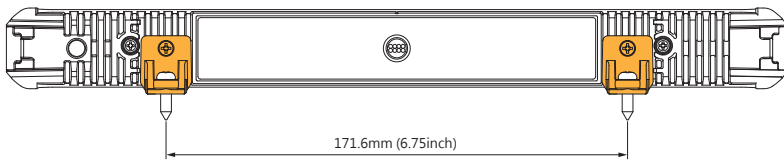
COLOUR & PATTERN	Dual Colour Model	
	Default Colour	Default Pattern
Mode 1	Colour1	35. Steady Cruise
Mode 2	Colour1	1. Double
Mode 3	Colour1	1. Double
Mode 4	Colour2	19. MINI TA LEFT
Mode 5	Colour2	26. MINI TA RIGHT

COLOUR & PATTERN	Tri Colour Model	
	Default Colour	Default Pattern
Mode 1	Colour1	35. Steady Cruise
Mode 2	Colour1	1. Double
Mode 3	Colour2	19. MINI TA LEFT
Mode 4	Colour3	18. Steady High
Mode 5	Colour2	26. MINI TA RIGHT

	Colour Mode
1	1
2	2
3	3
4	1 → 2
5	2 → 1
6	2 → 3
7	3 → 2
8	1 → 3
9	3 → 1
10	1 → 2 → 3
11	1 → 3 → 2
12	2 → 1 → 3
13	2 → 3 → 1
14	3 → 1 → 2
15	3 → 2 → 1

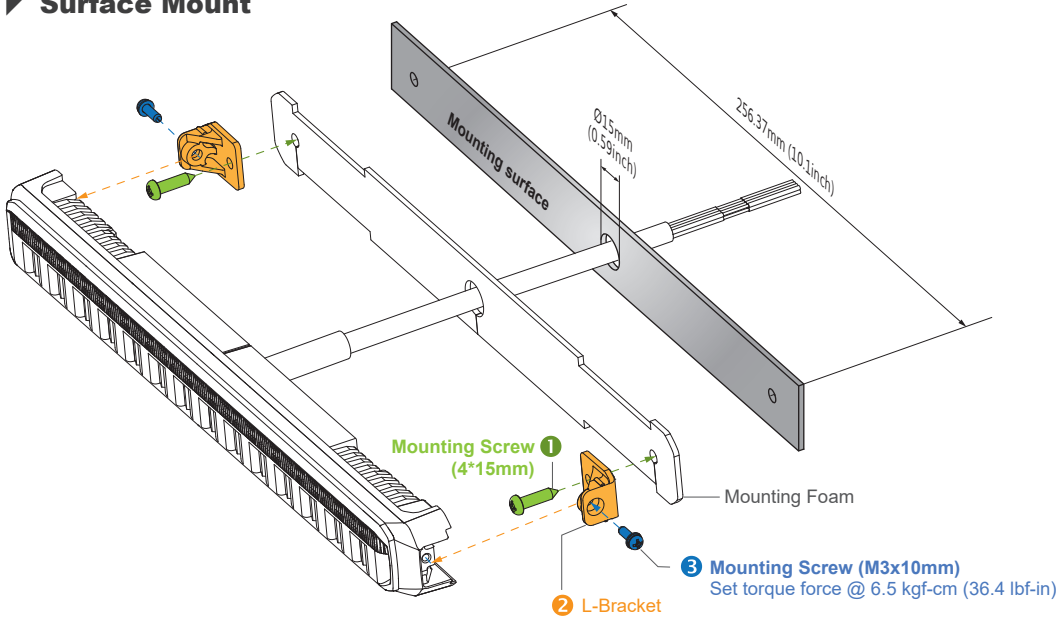
 Single flash  
 Low Power Steady

### ▼ L-Bracket Mount



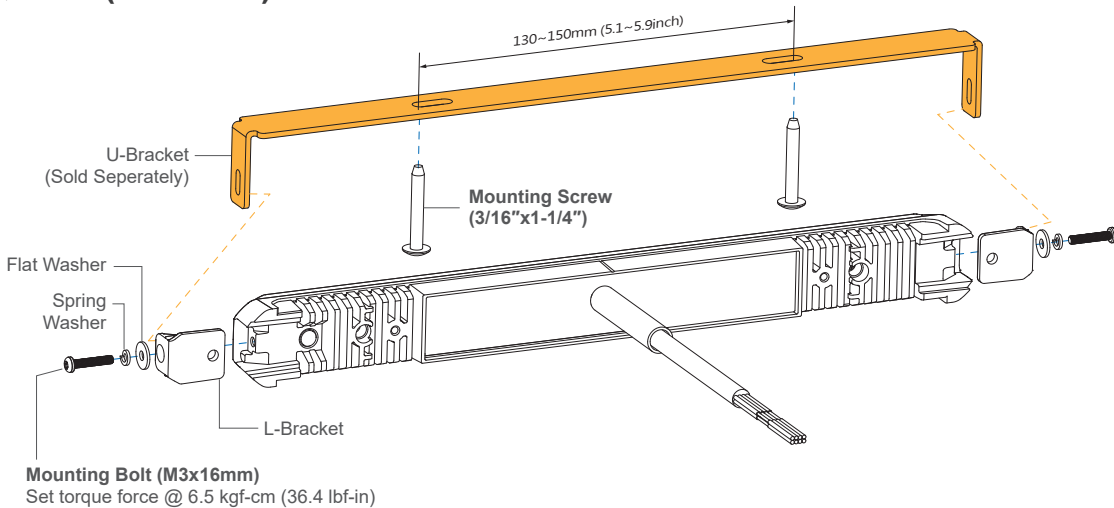
OR

### ▼ Surface Mount



OR

### ▼ Bail (U-Bracket) Mount



Surface Mount Template

