

Installation and Operation Instructions

Flush-Fit Warning Light

Specification

Input Voltage	10-30VDC@2A Fuse
Input Current	0.8 Amps max
Output Power	High power 6 LED, 2 illumination LED
Waterproof	IP67 / IP69

Recommend Operation Environment

Ambient Temperature: -30 to 50°C

Relative Humidity: 10 to 85% , non-condensing



Important



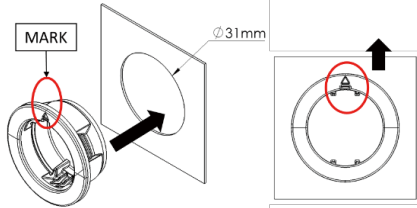
User Manual

Caution:

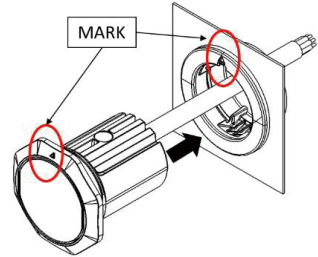
Please ensure that you scan the QR code from above and read all important notices before proceeding with any installation or operation. Failure to thoroughly read these instructions may result in potentially serious consequences.

Flush Mount

1. Choose a flat installation position, drill a 31mm (1.22 inch) diameter round hole, and rotate the silicone ring into it (note that the triangle symbol must face upward)



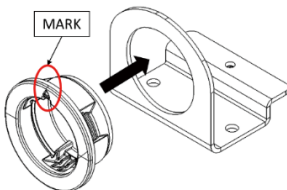
3. Apply RTV Silicone as needed to seal the light head and prevent it from rotating



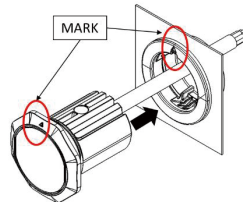
2. Assemble the light head and silicone ring in accordance with the triangle mark

Bracket Mount

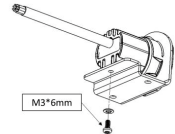
1. Assemble the silicone ring to the bracket, ensuring that the triangle symbol faces upward as picture shown below



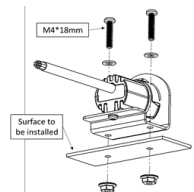
2. Insert the lighthouse into the silicone ring in accordance with the triangle mark



4. Secure the lighthouse onto the bracket



5. Secure the bracket to the desired installation position



3. Apply RTV Silicone as needed to seal the lighthouse and prevent it from rotating

Operation Instruction

1. Wire Connections:

Wire :	Single Color		Dual Color	
Red (+)	Warning	Warning +Puddle light flashing	Mode 1	Mode 3
White (+)	Puddle light flashing		Mode 2	
Black (-)	Ground			
Blue (-)	Pattern Switch			
Blue (+)	DIM		Group Switch	
Yellow	Synchronized Function			
Green (+)	Puddle Light Override			

2. Dual color:Group Switch Operation: Apply Blue Wire to Positive (+)

Dual Color	
Group1	Color1
Group2	Color2
Group3	Puddle light flashing
Group4	Color1&2
Group5	Color1&Puddle light flashing
Group6	Color2&Puddle light flashing
Group7	Color1&2&Puddle light flashing

3. Pattern Switch Operation

Blue wire applies to Negative to Switch Flash Pattern

- Less than 1 second: Next Pattern
- Between 1-3 seconds: Previous Pattern
- Between 3-5 seconds: Factory Default Pattern
- More than 5 seconds: Last Pattern

4. Phase Operation

- Phase 1 (Ph1) flashes simultaneously with Phase 1 (Ph1)
- Phase 2 (Ph2) flashes simultaneously with Phase 2 (Ph2)
- Phase 1 (Ph1) flashes alternate with Phase 2 (Ph2)

5. Pattern Switch Operation

- To synchronise multiple lightheds, set all lightheds to the same flash pattern type (see flash patterns below), than connect the yellow wires together.
- To alternate multiple lightheds, set one module to Ph1 flash pattern (see flash patterns below), and one module to Ph2 flash pattern then connect the yellow wires together. Repeat for additional modules.

Flash Pattern

Single Color			Dual Color							FLASH PATTERN	SYNC.	COMPLIES WITH
Red Wire	White Wire	Red & White Wire	Mode 1(Red Wire)									
			Mode 2(White Wire)									
			Mode 3(Red & White Wire)									
Warning	Puddle light flashing	Warning + Puddle light flashing	Group1	Group2	Group3	Group4	Group5	Group6	Group7			
*1	*1	*1	*1	*1	*1	*1	*1	*1	*1	Single 75FPM Ph1	yes	
2	2	2	2	2	2	2	2	2	2	Single 75FPM Ph2	yes	
3	3	3	3	3	3	3	3	3	3	Single 120FPM Ph1	yes	Single R65 II, Dual R65 I
4	4	4	4	4	4	4	4	4	4	Single 120FPM Ph2	yes	Single R65 II, Dual R65 I
5	5	5	5	5	5	5	5	5	5	Single 375FPM Ph1	yes	
6	6	6	6	6	6	6	6	6	6	Single 375FPM Ph2	yes	
7	7	7	7	7	7	7	7	7	7	Double 75FPM Ph1	yes	
8	8	8	8	8	8	8	8	8	8	Double 75FPM Ph2	yes	
9	9	9	9	9	9	9	9	9	9	Double 120FPM Ph1	yes	Single R65 II, Dual R65 I
10	10	10	10	10	10	10	10	10	10	Double 120FPM Ph2	yes	Single R65 II, Dual R65 I
11	11	11	11	11	11	11	11	11	11	Triple 75FPM Ph1	yes	
12	12	12	12	12	12	12	12	12	12	Triple 75FPM Ph2	yes	
13	13	13	13	13	13	13	13	13	13	Quad 75FPM Ph1	yes	
14	14	14	14	14	14	14	14	14	14	Quad 75FPM Ph2	yes	
15	15	15	15	15	15	15	15	15	15	Quad 150FPM Ph1	yes	
16	16	16	16	16	16	16	16	16	16	Quad 150FPM Ph2	yes	
17	17		17	17	17					CA T13 Single Flash 75FPM	no	
18	18		18	18	18					CA T13 Double Flash 75FPM	no	
19	19		19	19	19					NFPA-Quad Flash 75FPM	no	
20	20		20	20	20					Modulation Flash sim.	no	
21	21		21	21	21					2 Double Flash,2 Quad Flash	no	
22	22		22	22	22					4 Single Flash,2 Triple Flash	no	
23	23		23	23	23					Auto-run	no	
24	24		24	24	24					Steady burn	no	

*Factory Default Pattern