CODE 3®

Installation and Operation Instructions
M180S/M180SMC
WARNING LIGHT

Distributed By:

SIRENNET®

WARNING!
Failure to install or use this product according to manufacturers recommendations may result in property damage, serious injury, and/or death to those you are seeking to protect!

Do not install and/or operate this safety product unless you have read and understand the safety information contained in this manual.

1. Proper installation combined with operator training in the use, care, and maintenance of emergency warning devices are essential to ensure the safety of you and those you are seeking to protect.
2. Exercise caution when working with live electrical connections.
3. This product must be properly grounded. Inadequate grounding and/or shorting of electrical connections can cause high current arcing, which can cause personal injury and/or severe vehicle damage, including fire.
4. Proper placement and installation are vital to the performance of this warning device. Install this product so that output performance of the system is maximized and the controls are placed within convenient reach of the operator so that s/he can operate the system without losing eye contact with the roadway.
5. Do not install this product or route any wires in the deployment area of an air bag. Equipment mounted or located in an air bag deployment area may reduce the effectiveness of the air bag or become a projectile that could cause serious personal injury or death. Refer to the vehicle owner's manual for the air bag deployment area. It is the responsibility of the user/operator to determine a suitable mounting location ensuring the safety of all passengers inside the vehicle particularly avoiding areas of potential head impact.
6. It is the responsibility of the vehicle operator to ensure during use that all features of this product work correctly. In use, the vehicle operator should ensure the projection of the warning signal is not blocked by vehicle components (i.e., open trunks or compartment doors), people, vehicles or other obstructions.
7. The use of this or any other warning device does not ensure all drivers can or will observe or react to a warning signal. Never take the right-of-way for granted. It is your responsibility to be sure you can proceed safely before entering an intersection, driving against traffic, responding at a high rate of speed, or walking on or around traffic lanes.
8. This equipment is intended for use by authorized personnel only. The user is responsiblefor understanding and obeying all laws regarding warning signal devices. Therefore, the user should check all applicable city, state, and federal laws and regulations. The manufacturer assumes no liability for any loss resulting from the use of this warning device.

CONTENTS:

1	Light Head
1	Multi-Mount Base: Includes- 2- M4x25 Sheet metal screws 2- Split washers 2- M3.5x10 screws 2- M3 washers
1	Adhesive Pad
1	1- EVA foam gasket

SPECIFICATIONS:

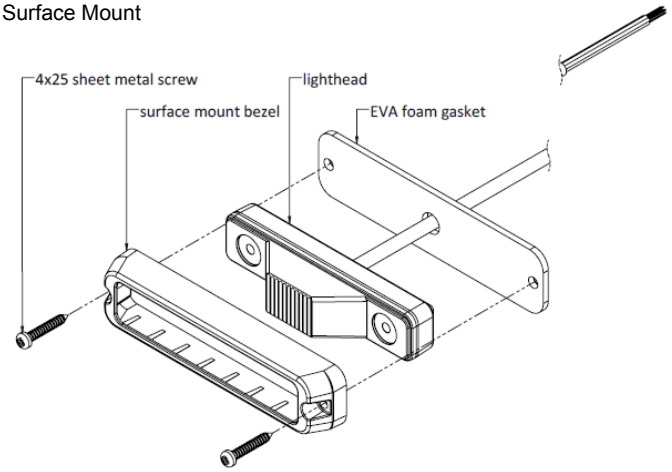
Input Voltage	12-24VDC
Work Current	M180S = 1.8A Max @ DC12V M180SMC = 3.6A Max @ DC12V

Important! This unit is a safety device and it must be connected to its own separate, fused power point to assure its continued operation should any other electrical accessory fail.

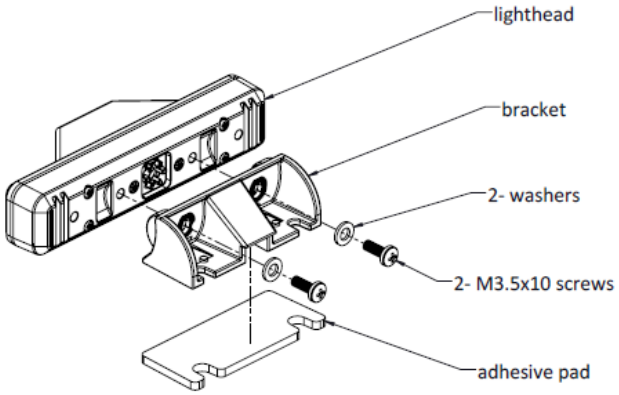
Caution: When drilling into any vehicle surface, make sure the area is free from any electrical wires, fuel lines, vehicle upholstery, etc. that could be damaged

Mounting:

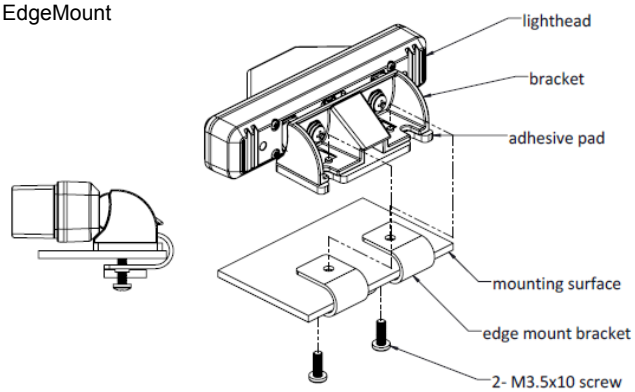
Surface Mount



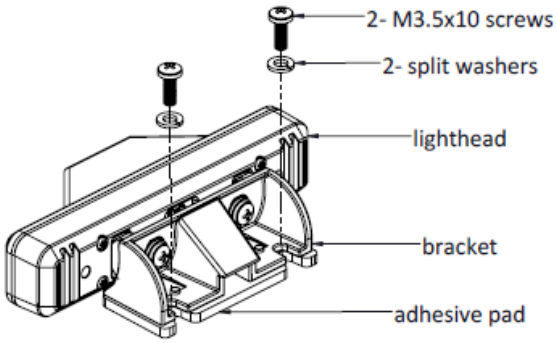
Adhesive Mount



EdgeMount



Permanent Mount



Wire: M180S

RED: Positive(need to add 2A Fuse)
BLACK: Negative
BLUE: Pattern Switch
YELLOW: Synchronized Function
(Up to 8 units can be Synchronized)
ORANGE: Takedown Light Operation (need to add 2A Fuse)
GREEN: Ground Light Operation(need to add 2A Fuse)

Wire: M180SMC

RED: Positive, Colors 1 & 3 (need to add 5A Fuse) WHITE: Positive, Colors 2 & 4 (need to add 5A Fuse)
BLACK: Negative
BLUE: Pattern Select to negative
YELLOW: Synchronized Function
(Up to 8 units can be Synchronized)
ORANGE: Takedown Light Operation(need to add 2A Fuse)
GREEN: Ground Light Operation(need to add 2A Fuse)

Operation Environment:

Ambient Temperature: -30 to 50°C

PHASE OPERATION:

Phase 1 (Ph1) lashes simultaneously with Ph1
Phase 2 (Ph2) lashed simultaneously with Ph2
(Up to 8 units can be Synchronized)

Apply BLUE TO BLACK wire:

-Less than 1 sec. for next pattern
-Between 1-3 sec. for previous pattern
-Between 3-5 sec. for factory default pattern
-More than 5 sec. default to pattern #13 (M180S) and pattern #12 (M180SMC)

	RED	WHITE
PRODUCT	1 & 3 COLORS	2 & 4 COLORS
M180SMC-AW	AMBER	WHITE
M180SMC-BW	BLUE	WHITE
M180SMC-RB	RED	BLUE
M180SMC-RW	RED	WHITE
M180SMC-AG	AMBER	GREEN
M180SMC-BA	AMBER	BLUE
M180SMC-RA	AMBER	RED

WARNING!
This unit is safety device and it must be connected to its own seperate fused power point to assure its continued operation should any other electrical accessory fail.

WARNING!
When drilling into any vehicle surface, make sure the area is free from any electrical wires, fuel lines, vehicle upholstery, etc. that could be damaged.

M180S Series Flash Pattern Chart:

PATTERN	MODE	FLASH PATTERNS	SYNC.	SAE J595				CA T13			SAE J845				ECE R65		
				RED	AMBER	BLUE	WHITE	RED	AMBER	BLUE	RED (140)	AMBER (140)	BLUE (140)	WHITE (100)	RED	AMBER	BLUE
1	1	Single Flash 75FPM sim. Phase1	yes	Class 1	Class 1	Class 1	Class 1	Class B	Class B	Class B	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C
	2	Single Flash 75FPM sim. Phase2	yes	Class 1	Class 1	Class 1	Class 1	Class B	Class B	Class B	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C
	3	Single Flash 75FPM Alt.	yes	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
2	4	Single Flash 120FPM sim. Phase1	yes	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
	5	Single Flash 120FPM sim. phase2	yes	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
	6	Single Flash 120FPM Alt.	yes	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
3	7	Double Flash 75FPM sim. Phase1	yes	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C
	8	Double Flash 75FPM sim. phase2	yes	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C
	9	Double Flash 75FPM Alt.	yes	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
4	10	Double Flash 120FPM sim. Phase1	yes	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
	11	Double Flash 120FPM sim. phase2	yes	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
	12	Double Flash 120FPM Alt.	yes	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
5	13-Default	Quad Flash 75FPM sim. Phase1	yes	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C
	14	Quad Flash 75FPM sim. Phase2	yes	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C
	15	Quad Flash 75FPM Alt.	yes	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
6	16	Quad Flash 150FPM sim. Phase1	yes	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C	Class 1	Class 2	Class 2	Class 2	N/C	N/C	N/C
	17	Quad Flash 150FPM sim. Phase2	yes	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C	Class 1	Class 2	Class 2	Class 2	N/C	N/C	N/C
	18	Quad Flash 150FPM Alt	yes	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C

PATTERN	MODE	FLASH PATTERNS	SYNC.	SAE J595				CA T13			SAE J845				ECE R65		
				RED	AMBER	BLUE	WHITE	RED	AMBER	BLUE	RED (140)	AMBER (140)	BLUE (140)	WHITE (100)	RED	AMBER	BLUE
7	19	Triple 75FPM sim. Phase1	yes	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C
	20	Triple 75FPM sim. Phase2	yes	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C
	21	Triple 75FPM Alt.	yes	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
8	22	Quint Flash 150FPM sim. Phase1	yes	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C	Class 1	Class 2	Class 2	Class 2	N/C	N/C	N/C
	23	Quint Flash 150FPM sim. Phase2	yes	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C	Class 1	Class 2	Class 2	Class 2	N/C	N/C	N/C
	24	Quint Flash 150FPM Alt.	yes	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
9	25	Steady - Single	NO	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
10	26	Steady Burn	NO	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
11	27	Modulation	NO	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
12	28	2 Double Flash,2 Triple Alt.	NO	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
13	29	4 Single Flash ,2 Quad Flash Alt.	NO	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C

M180SMC Series Flash Pattern Chart:

						SAE J595				CA T13			SAE J845				ECE R65		
PATTERN	MODE 1 Color 1 & Color 3 (Red line)	MODE 2 Color 2 & Color 4 (white line	MODE 1 Color 1 & Color 3 MODE 2 Color 2 & Color 4 (Red line & White line	FLASH PATTERN	SYNC.	RED	AMBER	BLUE	WHITE	RED	AMBER	BLUE	RED (120)	AMBER (110)	BLUE (100)	WHITE (90)	RED	AMBER	BLUE
1	1-Default		1	SAE/T13 SAE/T13 Single 75FPM Ph1 Color 1 Synchronous Color 3	YES	Class 1	Class 1	Class1	Class1	Class B	Class B	Class B	Class 1	Class 1	Class1	Class1	N/C	N/C	N/C
	2		2	SAE/T13 SAE/T13 Single 75FPM Ph2 Color 1 Synchronous Color 3	YES	Class 1	Class 1	Class 1	Class 1	Class B	Class B	Class b	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C
			3	SAE/T13 Single 75FPM Ph1 Color 1 Alternately Color 4	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
			4	SAE/T13 Single 75FPM Ph2 Color 1 Alternately Color 4	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
		1-Default	5	SAE/T13 Single 75FPM Ph1 Color 2 Synchronous Color 4	YES	Class 1	Class 1	Class 1	Class 1	Class B	Class B	Class B	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C
		2	6	SAE/T13 Single 75FPM Ph2 Color 2 Synchronous Color 4	YES	Class 1	Class 1	Class 1	Class 1	Class B	Class B	Class B	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C
	3	3	7	SAE/T13 Single 75FPM Ph1 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
	4	4	8	SAE/T13 Single 75FPM Ph2 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
	5	5	9	SAE/T13 Single 75FPM (Color 1 Alternately Color2) Alternately (Color 3 Alternately Color 4)	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C

						SAE J595				CA T13			SAE J845				ECE R65		
PATTERN	MODE 1 Color 1 & Color 3 (Red line)	MODE 2 Color 2 & Color 4 (white line)	MODE 1 Color 1 & Color 3 MODE 2 Color 2 & Color 4 (Red line & White line	FLASH PATTERN	SYNC.	RED	AMBER	BLUE	WHITE	RED	AMBER	BLUE	RED (120)	AMBER (110)	BLUE (100)	WHITE (90)	RED	AMBER	BLUE
2	6		10	Single 375FPM Ph1 Color 1 Synchronous Color 3	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
	7		11	Single 375FPM Ph2 Color 1 Synchronous Color 3	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
			12	Single 375FPM Ph1 Color 1 Alternately Color 4	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
			13	Single 375FPM Ph2 Color 1 Alternately Color 4	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
		6	14	Single 375FPM Ph1 Color 2 Synchro-nous Color 4	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
		7	15	Single 375FPM Ph2 Color 2 Synchronous Color 4	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
	8	8	16	Single 375FPM Ph1 (Color 1 Synchronous Color 3) Alter-nately (Color 2 Synchronous Color 4)	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
	9	9	17	Single 375FPM Ph2 (Color 1 Synchronous Color 3) Alter-nately (Color 2 Synchronous Color 4)	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
	10	10	18	Single 375FPM (Color 1 Alternately Color 2) Alter-nately (Color 3 Alternately Color 4)	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
3	11		19	SAE/T13 SAE/ T13 Double 75FPM Ph1 Color 1 Synchronous Color 3	YES	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C
	12		20	SAE/T13 SAE/ T13 Double 75FPM Ph2 Color 1 Synchronous Color 3	YES	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C
			21	SAE/T13 Double 75FPM Ph1 Color 1 Alternately Color 4	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
			22	SAE/T13 Double 75FPM Ph2 Color 1 Alternately Color 4	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
		11	23	SAE/T13 Double 75FPM Ph1 Color 2 Synchronous Color 4	YES	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C
		12	24	SAE/T13 Double 75FPM Ph2 Color 2 Synchronous Color 4	YES	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C

						SAE J595				CA T13			SAE J845				ECE R65		
PATTERN	MODE 1 Color 1 & Color 3 (Red line)	MODE 2 Color 2 & Color 4 (white line)	MODE 1 Color 1 & Color 3 MODE 2 Color 2 & Color 4 (Red line & White line)	FLASH PATTERN	SYNC.	RED	AMBER	BLUE	WHITE	RED	AMBER	BLUE	RED (120)	AMBER (110)	BLUE (100)	WHITE (90)	RED	AMBER	BLUE
3	13	13	25	SAE/T13 Double 75FPM Ph1 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
	14	14	26	SAE/T13 Double 75FPM Ph2 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
	15	15	27	SAE/T13 Double 75FPM (Color 1 Alternately Color 2) Alternately (Color 3 Alternately Color 4)	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
4	16		28	ECER65/SAE Double 120FPM Ph1 Color 1 Synchronous Color 3	YES	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C
	17		29	ECER65-SAE Double 120FPM Ph2 Color 1 Synchronous Color 3	YES	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
			30	ECER65/SAE Double 120FPM Ph1 Color 1 Alternately Color 4	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
			31	ECER65/SAE Double 120FPM Ph2 Color 1 Alternately Color 4	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
		16	32	ECER65/SAE Double 120FPM Ph1 Color 2 Synchronous Color 4	YES	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
		17	33	ECER65/SAE Double 120FPM Ph2 Color 2 Synchronous Color 4	YES	Class 1	Class 1	Class 1	Class 1	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
	18	18	34	ECER65/SAE Double 120FPM Ph1 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
	19	19	35	ECE/SAE Double 120FPM Ph2 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
	20	20	36	ECER65/SAE Double 120FPM (Color 1 Alternately Color 2) Alternately (Color 3Alternately Color 4)	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C

						SAE J595				CA T13			SAE J845				ECE R65		
PATTERN	MODE 1 Color 1 & Color 3 (Red line)	MODE 2 Color 2 & Color 4 (white line)	MODE 1 Color 1 & Color 3 MODE 2 Color 2 & Color 4 (Red line & White line)	FLASH PATTERN	SYNC.	RED	AMBER	BLUE	WHITE	RED	AMBER	BLUE	RED (120)	AMBER (110)	BLUE (100)	WHITE (90)	RED	AMBER	BLUE
5	21		37	SAE/T13 Triple 75FPM Ph1 Color 1 Synchronous Color 3	YES	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 2	Class 2	Class 2	N/C
	22		38	SAE/T13 Triple 75FPM Ph2 Color 1 Synchronous Color 3	YES	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C
			39	SAE/T13 Triple 75FPM Ph1 Color 1 Alternately Color 4	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
			40	SAE/T13 Triple 75FPM Ph2 Color 1 Alternately Color 4	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
		21	41	SAE/T13 Triple 75FPM Ph1 Color 2 Synchronous color 4	YES	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C
		22	42	SAE/T13 Triple 75FPM Ph2 Color 2 Synchro-nous Color 4	YES	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C
	23	23	43	SAE/T13 Triple 75FPM Ph1 (Color 1 Synchronous Color 3) Alter-nately (Color 2 Synchronous Color 4)	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
	24	24	44	SAE/T13 Triple 75FPM Ph2 (Color 1 Synchronous Color 3) Alter-nately Color 2 Synchronous Color 4)	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
	25	25	45	SAE/T13 Triple 75FPM (Color 1 Alternately Color 2) Alter-nately (Color 3Alternately Color 4)	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C

						SAE J595				CA T13			SAE J845				ECE R65		
PATTERN	MODE 1 Color 1 & Color 3 (Red line)	MODE 2 Color 2 & Color 4 (white line)	MODE 1 Color 1 & Color 3 MODE 2 Color 2 & Color 4 (Red line & White line)	FLASH PATTERN	SYNC.	RED	AMBER	BLUE	WHITE	RED	AMBER	BLUE	RED (120)	AMBER (110)	BLUE (100)	WHITE (90)	RED	AMBER	BLUE
6	26		46	SAE/T13 Quad 75FPM Ph1 Color 1 Synchronous Color 3	YES	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C	Class 2	Class 2	Class 2	Class 2	N/C	N/C	N/C
	27		47	SAE/T13 Quad 75FPM Ph2 Color 1 Synchronous Color 3	YES	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C	Class 2	Class 2	Class 2	Class 2	N/C	N/C	N/C
			48	SAE/T13 Quad 75FPM Ph1 Color 1 Alternately Color 4	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
			49	SAE/T13 Quad 75FPM Ph2 Color 1 Alternately color 4	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
		26	50	SAE/T13 Quad 75FPM Ph1 Color 2 Synchronous Color 4	YES	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C
		27	51	SAE/T13 Quad 75FPM Ph2 Color 2 Synchronous Color 4	YES	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C
	28	28	52-Default	SAE/T13 Quad 75FPM Ph1 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
	29	29	53	SAE/T13 Quad 75FPM Ph2 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
	30	30	54	SAE/T13 Quad 75FPM (Color 1 Alternately Color 2) Alternately (Color 3 Alternately Color 4)	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C

						SAE J595				CA T13			SAE J845				ECE R65		
PATTERN	MODE 1 Color 1 & Color 3 (Red line)	MODE 2 Color 2 & Color 4 (white line	MODE 1 Color 1 & Color 3 MODE 2 Color 2 & Color 4 (Red line & White line)	FLASH PATTERN	SYNC.	RED	AMBER	BLUE	WHITE	RED	AMBER	BLUE	RED (120)	AMBER (110)	BLUE (100)	WHITE (90)	RED	AMBER	BLUE
7	31		55	ECER65/SAE Quad 120FPM Ph1 Color 1 Synchronous Color 3	YES	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C	Class 2	Class 2	Class 2	Class 2	N/C	N/C	N/C
	32		56	ECER65/SAE Quad 120FPM Ph2 Color 1 Synchronous Color 3	YES	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C	Class 2	Class 2	Class 2	Class 2	N/C	N/C	N/C
			57	ECER65/SAE Quad 120FPM Ph1 Color 1 Alternately Color 4	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
			58	ECER65/SAE Quad 120FPM Ph2 Color 1 Alternately Color 4	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
		31	59	ECER65/SAE Quad 120FPM Ph1 Color 2 Synchronous Color 4	YES	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C	Class 2	Class 2	Class 2	Class 2	N/C	N/C	N/C
		32	60	ECER65/SAE Quad 120FPM Ph2 Color 2 Synchronous Color 4	YES	Class 1	Class 1	Class 1	Class 2	N/C	N/C	N/C	Class 2	Class 2	Class 2	Class 2	N/C	N/C	N/C
	33	33	61	ECER65/SAE Quad 120FPM Ph1 (Color 1 Synchro- nous Color 3) Alter-nately (Color 2 Synchronous Color4)	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
	34	34	62	ECER65/SAE Quad 120FPM Ph2 (Color 1 Synchro- nous Color 3) Alter-nately (Color 2 Synchronous Color4)	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
	35	35	63	ECER65/SAE Quad 120FPM (Color1 Alternately Color 2) Alter-nately (Color 3 Alternately Color 4)	YES	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
8			64	Modulation (Color 1Synchronous color 3) Alter-nately (Color 2 Synchronous Color 4)	NO	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
9			65	2 Double, 2 Quad (Color 1 Synchronous Color 3) Alter-nately (Color 2 Synchronous Color 4)	NO	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
10			66	4 Single, 2 Triple (Color 1 Synchronous Color 3) Alter-nately (Color 2 Synchronous Color 4)	NO	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
11			67	1 Double, 1 Triple, 1Quad (Color 1 Synchronous Color 3) Alter-nately (Color 2 Synchronous Color 4)	NO	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
12	36		68	Steady burn- Color 1 &3	NO	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
		36	69	Steady burn- Color 2 & 4	NO	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C

TROUBLE SHOOTING

The M180S and M180SMC series have been factory tested and approved. If the functions of device fail, please check the following:

1. After connecting with the power supply, be sure that the power source end is joined in correct way. And then, make sure that there is no short-circuited power occurring.
2. Ensure Power switch is turned to "ON" position.

Manufacturer Limited Warranty Policy:

Manufacturer warrants that on the date of purchase this product will conform to Manufacturer's specifications for this product (which are avai - able from the Manufacturer upon request). This Limited Warranty extends for Sixty (60) months from the date of purchase.

DAMAGE TO PARTS OR PRODUCTS RESULTING FROM TAMPERING, ACCIDENT, ABUSE, MISUSE, NEGLIGENCE, UNAPPROVED MODIFICATIONS, FIRE OR OTHER HAZARD; IMPROPER INSTALLATION OR OPERATION; OR NOT BEING MAINTAINED IN ACCORDANCE WITH THE MAINTENANCE PROCEDURES SET FORTH IN MANUFACTURER'S INSTALLATION AND OPERATING INSTRUCTIONS VOIDS THIS LIMITED WARRANTY.

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This Limited Warranty defines specific legal rights You may have other legal rights which vary from jurisdiction to jurisdiction. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages.

Product Returns:

If a product must be returned for repair or replacement*, please contact our factory to obtain a Return Goods Authorization Number (RGA number) before you ship the product to Code 3®, Inc. Write the RGA number clearly on the package near the mailing label. Be sure you use sufficient packing materials to avoid damage to the product being returned while in transit.

*Code 3®, Inc. reserves the right to repair or replace at its discretion. Code 3®, Inc. assumes no responsibility or liability for expenses incurred for the removal and /or reinstallation of products requiring service and/or repair.; nor for the packaging, handling, and shipping: nor for the handling of products returned to sender after the service has been rendered.

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