

# Installation and Operation Instructions Multi-Mount Directional LED

IMPORTANT! Read all instructions before installing and using. Installer: This manual must be delivered to the end user.



#### WARNING!

Failure to install or use this product according to manufacturer's 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 understood the safety information contained in this manual.

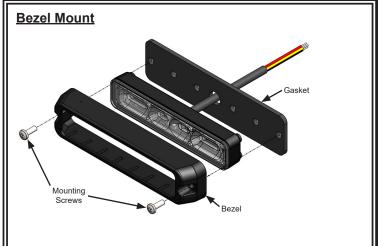
- 1. Proper installation combined with operator training in the use, care, and maintenance of emergency warning devices are essential to ensure the safety of emergency personnel and the public.
- 2. Emergency warning devices often require high electrical voltages and/or currents. Exercise caution when 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 is 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 they 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 daily 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 an emergency warning signal.

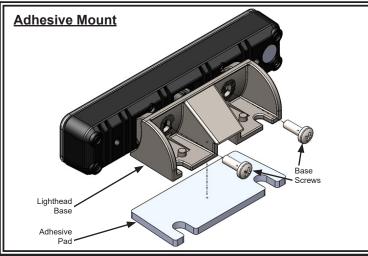
  Never take the right-of-way for granted. It is the vehicle operator's responsibility to be sure they can proceed safely before entering an intersection, drive against traffic, respond at a high rate of speed, or walk on or around traffic lanes.
- 8. This equipment is intended for use by authorized personnel only. The user is responsible for understanding and obeying all laws regarding emergency warning 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.

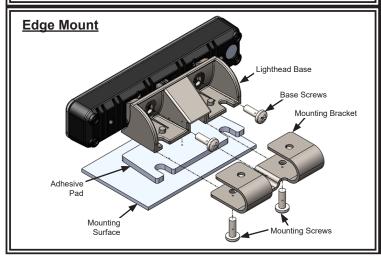
# **Specifications**

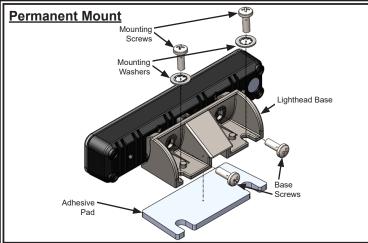
	MR6X	MR6MC-XX	MR24Q-XXXX
Size: Size w/ Bezel:		4.3" x 0.7" x 0.9" 5.1" x 0.7" x 1.1"	
Weight:		0.48 lbs.	
Input Voltage:		12-24 VDC	
Current:	0.9 A @ 12 VDC	1.3 A @ 12 VDC	0.9 A @ 12 VDC
Power:	11.6 W	16.7 W	11W
Temp. Range:		-40° to 65°C	
		-40° to 149°F	

# **Installation and Mounting**









# **Wiring Instructions**

MR6X

RED: Positive(need to add 2A Fuse)

**BLACK: Negative** 

BLUE: Pattern Switch to Negative, Dimming to Positive

YELLOW: Synchronized Function (Up to 8 units can be Synchronized)

MR6MC-XX

RED: Positive, Colors 1 & 3 (need to add 5A Fuse) WHITE: Positive, Colors 2 & 4 (need to add 5A Fuse)

**BLACK: Negative** 

BLUE: Pattern Switch to Negative, Dimming to Positive

YELLOW: Synchronized Function (Up to 8 units can be Synchronized)

MR24Q-XXXX

RED: Group 1 to Positive GREEN: Group 2 to Positive ORANGE: Group 3 to Positive WHITE: Group 4 to Positive

RED & GREEN: Group 5 to Positive RED & ORANGE: Group 6 to Positive RED & WHITE: Group 7 to Positive GREEN & ORANGE: Group 8 to Positive GREEN & WHITE: Group 9 to Positive ORANGE & WHITE: Group 10 to Positive

RED & GREEN & ORANGE: Group 11 to Positive RED & GREEN & WHITE: Group 12 to Positive RED & ORANGE & WHITE: Group 13 to Positive GREEN & ORANGE & WHITE: Group 14 to Positive RED & GREEN & WHITE & ORANGE: Group 15 to Positive

**BLACK: Negative** 

BLUE: Pattern Select to Negative Dimming to Positive (Optional) YELLOW: Synchronized Function

# **Synchronization:**

The directional is capable of syncing with other CODE 3 compatible products by following the steps below.

Step 1. Set the desired flash pattern on each unit individually. It is also strongly recommended that the same rate and style of flash pattern be used on all synced units to produce the most effective warning pattern. Note: To operate simultaneously, each unit must be set to the same phase (A + A or B + B); to operate alternately, units must be set to have the opposite phase (A + B or B + A).

Step 2. Connect the yellow sync wires together and check that the units are flashing in a synchronized manner as expected. If a pattern on one unit appears incorrect, the blue pattern select wire can be used to cycle forward or backward on that individual unit until the correct pattern is selected. Note: This will only change the pattern in the one unit and will not affect the other units connected to the yellow sync wire.

#### Pattern Selection:

### For MR6 Series:

Apply BLUE wire to Negative:

- -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. for Pattern #13 (4 Single Flash, 2 Quad Flash Alt.)

# For MR6MC & MR24Q Series:

Apply BLUE wire to Negative:

- -Less than 1 sec. for next pattern
- -Between 1-3 sec. for previous pattern
- -Between 3-5 sec. for factory default pattern

# **Flash Patterns**

# MR6 Flash Pattern Chart

Pattern	Flash	sim. Phase1	sim. Phase2	Alt.
1	Single Flash 75FPM	S1,C	S1,C	N/A
2	Single Flash 120FPM	S1	S1	N/A
3	Double Flash 75FPM	S1,C	S1,C	N/A
4	Double Flash 120FPM	S1, E1	S1, E1	N/A
5	Quad Flash 75FPM	S1	S1	N/A
6	Quad Flash 150FPM	S1	S1	N/A
7	Triple 75FPM	S1	S1	N/A
8	Quint Flash 150FPM	S1	S1	N/A
9	Steady - Single	N/A		
10	Steady Burn	N/A		
11	Modulation	N/A		
12	2 Double Flash,2 Triple Alt.	N/A		
13	4 Single Flash ,2 Quad Flash Alt.	N/A		

Default Pattern: Steady Burn

REMARK: S1: SAE J595 Class 1 S2: SAE J595 Class 2 C: CA T13 Class B

E1: ECE R65 Class 1 E2: ECE R65 Class 2

# MR6MC Flash Pattern Chart

	yes	SAE/T13 Triple 38FPM (Color 1 Alternately Color 2) Alternately (Color 3 Alternately Color 4)	45	25	25	
	yes	SAE/T13 Triple 38FPM Ph2 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)	44	24	24	
	yes	SAE/T13 Triple 38FPM Ph1 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)	43	23	23	
S1,C	yes	SAE/T13 Triple 75FPM Ph2 Color 2 Synchronous Color 4	42	22		
S1,C	yes	SAE/T13 Triple 75FPM Ph1 Color 2 Synchronous Color 4	41	21		5
	yes	SAE/T13 Triple 75FPM Ph2 Color 1 Alternately Color 4	40			
	yes	SAE/T13 Triple 75FPM Ph1 Color 1 Alternately Color 4	39			
S1,C	yes	SAE/T13 Triple 75FPM Ph2 Color 1 Synchronous Color 3	38		22	
S1,C	yes	SAE/T13 Triple 75FPM Ph1 Color 1 Synchronous Color 3			21	
	yes	ECER65/SAE Double 60FPM (Color 1 Alternately Color 2) Alternately (Color 3 Alternately Color 4)	36	20	20	
	yes	ECER65/SAE Double 60FPM Ph2 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Colo		19	19	
	yes	ECER65/SAE Double 60FPM Ph1 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Colo	34	18	18	
S1,E1	yes	ECER65/SAE Double 120FPM Ph2 Color 2 Synchronous Color 4	33	17		
S1,E1	yes	ECER65/SAE Double 120FPM Ph1 Color 2 Synchronous Color 4	32	16		4
	yes	ECER65/SAE Double 120FPM Ph2 Color 1 Alternately Color 4	31			
	yes	ECER65/SAE Double 120FPM Ph1 Color 1 Alternately Color 4	30			
S1,E1	yes	ECER65/SAE Double 120FPM Ph2 Color 1 Synchronous Color 3	29		17	
S1,E1	yes	ECER65/SAE Double 120FPM Ph1 Color 1 Synchronous Color 3			16	
	yes	SAE/T13 Double 38FPM (Color 1 Alternately Color 2) Alternately (Color 3 Alternately Color 4)	27	15	15	
	yes	SAE/T13 Double 38FPM Ph2 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)		14	14	
	yes	SAE/T13 Double 38FPM Ph1 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)	25	13	13	
S1,C	yes	SAE/T13 Double 75FPM Ph2 Color 2 Synchronous Color 4		12		
S1,C	yes	SAE/T13 Double 75FPM Ph1 Color 2 Synchronous Color 4		11		3
	yes	SAE/T13 Double 75FPM Ph2 Color 1 Alternately Color 4				
	yes	SAE/T13 Double 75FPM Ph1 Color 1 Alternately Color 4				
S1,C	yes	SAE/T13 Double 75FPM Ph2 Color 1 Synchronous Color 3			12	
S1,C	yes	SAE/T13 Double 75FPM Ph1 Color 1 Synchronous Color 3			11	
	yes	Single 187FPMFPM (Color 1 Alternately Color 2) Alternately (Color 3 Alternately Color 4)	18	10	10	
	yes	Single 187FPMFPM Ph2 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)		9	9	
	yes	Single 187FPMFPM Ph1 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)	16	8	8	
	yes	Single 375FPMFPM Ph2 Color 2 Synchronous Color 4		7		
	yes	Single 375FPMFPM Ph1 Color 2 Synchronous Color 4	14	6		2
	yes	Single 375FPMFPM Ph2 Color 1 Alternately Color 4				
	yes	Single 375FPMFPM Ph1 Color 1 Alternately Color 4	12			
	yes	Single 375FPMFPM Ph2 Color 1 Synchronous Color 3	11		7	
	yes	Single 375FPMFPM Ph1 Color 1 Synchronous Color 3	10		6	
	yes	SAE/T13 Single 38FPM (Color 1 Alternately Color 2) Alternately (Color 3 Alternately Color 4)	9	5	5	
	yes	SAE/T13 Single 38FPM Ph2(Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)	8	4	4	
	yes	SAE/T13 Single 38FPM Ph1(Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)		3	3	
S1,C	yes	SAE/T13 Single 75FPM Ph2 Color 2 Synchronous Color 4		2		
S1,C	yes	SAE/T13 Single 75FPM Ph1 Color 2 Synchronous Color 4		1		1
	yes	SAE/T13 Single 75FPM Ph2 Color 1 Alternately Color 4	4			
	yes	SAE/T13 Single 75FPM Ph1 Color 1 Alternately Color 4	3			
S1,C	yes	SAE/T13 SAE/T13 Single 75FPM Ph2 Color 1 Synchronous Color 3	2		2	
S1,C	yes	SAE/T13 SAE/T13 Single 75FPM Ph1 Color 1 Synchronous Color 3	1		1	
			Red & White line			
COMPLIES WITH	SYNC.	PATTERNS	LED Color 2 & Color 4	4 White line	3 Red line	Pattern
			LED Color I & Color 3			
		IVINOIVIC I Idsii I ditciii Ciidi t				

REMARK:	1.2	1	11	10	9	~					7									6				
S1: SAE J595 Class1		36-Default					35	34	33					32	31	30	29	28					27	26
S2: SAE J595 Class 2	36-Default						35	34	33	32	31					30	29	28	27	26				
C: CA T13 Class B	69	68-Default	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46
	Steady burn-Color 2 & 4	Steady burn-Color 1 & 3	1Doube 1Triple 1Quad (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)	4 Single, 2 Triple (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)	2 Double,2 Quad (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)	Modulation (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)	ECER65/SAE Quad 60FPM (Color 1 Alternately Color 2) Alternately (Color 3 Alternately Color 4)	ECER65/SAE Quad 60FPM Ph2 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color	ECER65/SAE Quad 60FPM Ph1 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color	ECER65/SAE Quad 120FPM Ph2 Color 2 Synchronous Color 4	ECER65/SAE Quad 120FPM Ph1 Color 2 Synchronous Color 4	ECER65/SAE Quad 120FPM Ph2 Color 1 Alternately Color 4	ECER65/SAE Quad 120FPM Ph1 Color 1 Alternately Color 4	ECER65/SAE Quad 120FPM Ph2 Color 1 Synchronous Color 3	ECER65/SAE Quad 120FPM Ph1 Color 1 Synchronous Color 3	SAE/T13 Quad 38FPM (Color 1 Alternately Color 2) Alternately (Color 3 Alternately Color 4)	SAE/T13 Quad 38FPM Ph2 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)	SAE/T13 Quad 38FPM Ph1 (Color 1 Synchronous Color 3) Alternately (Color 2 Synchronous Color 4)	SAE/T13 Quad 75FPM Ph2 Color 2 Synchronous Color 4	SAE/T13 Quad 75FPM Ph1 Color 2 Synchronous Color 4	SAE/T13 Quad 75FPM Ph2 Color 1 Alternately Color 4	SAE/T13 Quad 75FPM Ph1 Color 1 Alternately Color 4	SAE/T13 Quad 75FPM Ph2 Color 1 Synchronous Color 3	SAE/T13 Quad 75FPM Ph1 Color 1 Synchronous Color 3
	no	no	no	no	no	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
										S1	S1			S1	S1				S1	S1			S1	S1

# MR24Q-XXXX Flash Pattern Chart

Group 5         Group 6 (Red-Omage)         Group 7 (Red-White (wire))         Group 9 (Red-White wire)         Group 9 (Group 10 wire)         Group 10 (Group 20 wire)         Group 20 (Group 20 wire)         A 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4					1	-		1		-			-				
			22-Default	22	22	22	22	22	22	22	2%	,		22	22 22	22 22 22	22 22 Steady Bum
		22-Default		21	21	21	21	21	21	21		21			21	21 21 21	21 21 21
Croup   Croup 2   Croup 3   Croup 4   Croup 5   Croup 6   Croup 5   Croup 9   Croup 3 & 4   Croup 2 & 2   Croup 2	22-Default			20	20	20	20	20	20	20		20			20	20 20	20 20 20
	lt			19	19	19	19	19	19	19		19			19	19 19	19 19 19
Croup   Croup 2   Croup 3   Group 4   Croup 5   Croup 6   Croup 7   Croup 9   Croup 1 & 2   Croup 2 & 2   Croup 1 & 2   Croup 2 & 2   Croup 1 & 2   Croup 2 & 2   Croup	21	21	21	18	18	18	18	18	18	18	18	~	18		18	18 18	18 18 18
Group 1   Group 2   Group 3   Group 4   Group 5   Group 6   Group 7   Group 9   Group 9   Group 9   Group 9   Group 9   Group 9   Group 10	20	20	20													4 Single Flash , 2 Triple Flash	4 Single Flash ,2 Triple Flash no
Croup   Croup 2   Croup 3   Croup 4   Croup 5   Croup 6   Croup 7   Croup 9   Croup 9   Croup 9   Croup 9   Croup 9   Croup 10	19	19	19													2 Double Flash,2 Quad Flash	2 Double Flash,2 Quad Flash no
	18	18	18	17	17	17	17	17	17	17	17		17	17 17		17	17 17
Group 1   Group 2   Group 3   Group 4   Group 5   Group 6   Group 9   Grou	17	17	17									l				NFPA-Quad Flash 90FPM	NFPA-Quad Flash 90FPM no S1,C
	16	16	16	16	16	16	16	16	16	16	16		16	16 16		16 16	16 16 Quad 150FPM Ph2
Croup   Croup 2   Croup 3   Group 4   Group 5   Group 6   Group 7   Group 9   Group	15	15	15	15	15	15	15	15	15	15	15		15	15 15		15 15	15 15
	14	14	14	14	14	14	14	14	14	14	14		14	14 14		14 14	14 14
	13	13	13	13	13	13	13	13	13	13	13		13	13 13		13	13 13
	12	12	12	12	12	12	12	12	12	12	12		12	12 12		12 12 1	12 12
	11	=	11	Ξ	=	11	Ξ	11	=	11	11		11	111 11	11 11 11	11 11 Triple 75FPM Ph1	111 111 1
Group 1   Group 2   Group 3   Group 4   Group 5   Group 6   Group 7   Group 9   Group 9   Group 9   Group 10	10	10	10	10	10	10	10	10	10	10	10		10	10 10		10	10 10 1
	9	9	9	9	9	9	9	9	9	9	9		9	9 9		9 9	9 9
Group 1   Group 2   Group 3   Group 4   Group 5   Group 6   Group 7   Group 8   Group 9   Group 10	8	8	8	8	8	8	8	8	8	8	8		8	8 8		8 8	8 Double 75FPM Ph2
Group 1   Group 2   Group 3   Group 4   Group 5   Group 6   Group 7   Group 9   Group 9   Group 10	7	7	7	7	7	7	7	7	7	7	7		7	7 7	7 7 7	7 7	7   7   Double 75FPM Ph1
Group 1   Group 2   Group 3   Group 4   Group 5   Group 6   Group 7   Group 8   Group 9   Group 9   Group 9   Group 9   Group 9   Group 10	6	6	6	6	6	6	6	6	6	6	6		6	6 6		6 6	6 6
Group 1 (Red wire)         Group 2 (Oren wire)         Group 3 (Oren wire)         Group 4 (White wire)         Group 6 (Red+Grounge (Red+White)         Group 7 (Red+White)         Group 9 (Red+White)         Group 9 (Green+White)         Group 9 (Group 10 (Green+White)         Group 10 (Green+White)         Group 10 (Green+White)         Group 3 (Group 10 (Green+White)         Group 3 (Group 10 (Green+White)         Group 3 (Group 10 (Green+White)         Group 3 (Group 10 (Green+White)         Group 3 (Green+White)         Group 3 (Gr	5	5	5	5	5	5	5	5	5	5	5		5	5 5	5 5 5	5 5 Single 375FPM Ph1	5 5 Single 375FPM Ph1 yes S1,C
Group 1   Group 2   Group 3   Group 4   Group 5   Group 6   Group 7   Group 7   Group 8   Group 9   Group 10	4	4	4	4	4	4	4	4	4	4	4		4	4 4	4 4 4	4 4 4 Single 120FPM Ph2	
Group 1   Group 2   Group 3   Group 4   Group 5   Group 6   Group 7   Group 7   Group 9   Group 9   Group 10	3	w	3	w	3	w	3	3	3	w	w		3	3 3	3 3 3	3 3 Single 120FPM Ph1	
Group 1 (Red wire)         Group 2 (Red wire)         Group 3 (Part) (Part)         Group 4 (Red-Green wire)         Group 4 (Red-White wire)         Group 6 (Red-White wire)         Group 7 (Red-White wire)         Group 7 (Red-White wire)         Group 9 (Red-White wire)         Group 10 (Red-White wire)           Cobr 1         Cobr 2         Cobr 3         Cobr 1 & 2 (Cobr 1 & 3) (Cobr 1 & 3) (Cobr 2 & 3) (Cobr 2 & 3) (Cobr 3 & 4)         Cobr 3 & 4         Cobr 3 & 4         I-Default	2	2	2	2	2	2	2	2	2	2	2		2	2 2	2 2 2	2 2 Single 75FPM Ph2	2 2 Single 75FPM Ph2 yes S1,C
Croup 1   Group 2   Group 3   Group 4   Group 5   Group 6   Group 7   Group 7   Group 9   Group 9   Group 10	1	1	1	1-Default	1-Default	1-Default	1-Default	1-Default	1-Default	1-Default	1-Default		1-Default	1-Default 1-Default	1-Default 1-Default	1-Default	1-Default 1-Default
Group 1 Group 2 Group 3 Group 4 (Red+Orange (Red+Orange wire) (White wire) wire) Group 6 Group 7 Group 8 Group 9 Group 10 Group 8 Group 9 Group 10 Group 4 (Red+Orange (Red+White (Green+Orange (Green+White (Orange+White wire) wire) wire) wire) wire) wire)	Color 2	Color 3	Color 4	Color 1 & 2	Color 1 & 3	Color 1 & 4	Color 2 & 3	Color 2 & 4	Color 3 & 4	Color 1 & 2 & 3	Color 1 & 2 &	~	4	& 4   Color 1 & 3 & 4   Color 2 & 3 & 4	4	4 Color 1 & 3 & 4 Color 2 & 3 & 4 1	4 Color 1 & 3 & 4 Color 2 & 3 & 4 1
Group 1 Group 2 Group 3 Group 4 Group 5 Group 6 Group 7 Group 8 Group 9 Group 10 Group 2 Group 4 Group 6 Group 7 Group 8 Group 9 Group 10		(Orange wire)	(white wire)	wire)	wire)	wire)	wire)				hite wire	_	hite wire)	hite wire)	hite wire) White wire)	hite wire) White wire)	hite wire) White wire) ange+wnite wire)
		Group 3	Group 4	Group 5 (Red+Green	Group 6 (Red+Orange	Group 7 (Red+White	Group 8 (Green+Orange				Group 12 (Red+Green	+	Group 13 (Red+Orange+W	Group 13 Group 14 (Red+Orange+W (Green+Orange+	Group 13 Group 14 (Red+Orange+W (Green+Orange+	Group 13 Group 14 (Red+Orange+W (Green+Orange+	Group 13 Group 14 (Red+Orange+W (Green+Orange+
		Group 2 (Green wire)  Color 2  1  3  4  5  6  7  9  10  11  11  12  13  14  15  16  17  18  19  19  20  21  22-Default	Group 2 Group 3 (Green wire) (Onange wire)  Color 2 Color 3 1 1 1 2 2 2 2 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Group 2 (Group 2 (Group 3)         Group 4 (White wire)         Group 4 (White wire)           Color 2 (Color 2)         Color 3 (White wire)         Color 4 (White wire)           1 (1 (2 (2 (2 (2 (2 (3 (3 (3 (3 (3 (3 (3 (3 (3 (3 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4		Cober 1 & 2  1-Default 2  1-Default 2  1-Default 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Group 5 Group 6 (Red+Group 5 (Red+Onnge wire)  Color 1 & 2 Color 1 & 3  1-Default 1-Default 2  1-Default 1-Default 3  4 4 4  5 5 5  6 6 6  7 7 7  10 10  11 11  12 12  13 13  14 19  16 16  17 17  17 17  18 18  18 18  18 19  19 19  20 20  21 22 22	Group 5 Group 6 Group 7 (Red+Green (Red+Omage (Red+White wire) wire) wire)  Color 1 & 2 Color 1 & 3 Color 1 & 4  1-Default 1-Default 1-Default 2 2 2  3 3 3 4 4 4 4  5 5 5 5 5  6 6 6 6  7 7 7 7 7  8 8 8 8 8  9 9 10 10 10 10  11 11 11 11  12 12 12  13 13 13 13  14 14 14  15 15 16 16  16 16 16  17 17 17  17 17  17 17  17 17  18 18 18  18 18  19 19 19  20 20  21 22 22  22 22	Group 5 (Red-Fried)         Group 7 (Red-White)         Group 8 (Red-Wing)         Group	Group 5 (Red-Forent wire)         Group 6 (Red-Forent wire)         Group 8 (Red-White wire)         Group 9 (Green-White wire)         Color 2 & 3         Color 2 & 4         A         4         8         8         8         8 </td <td>Group 5 (Red-Force)         Group 6 (Red-Force)         Group 7 (Red-Force)         Group 9 (Red-Force)         Group 9 (Red-Force)         Group 9 (Red-Force)         Group 9 (Green-Force)         Group 9 (Green-Force)         Group 10 (Green-Force)         Gro</td> <td>Group 5 (aroup 6)         Group 7 (aroup 7)         Group 8 (aroup 7)         Group 8 (aroup 10)         Group 10 (aroup 10)         Group 10 (aroup 10)         Group 10 (aroup 11)         Group 11 (aroup 12)         Group 10 (aroup 11)         Group 11 (aroup 12)         Group 11 (aroup 12)         Group 10 (aroup 11)         Group 10 (aroup 11)         Group 11 (aroup 12)         Group 10 (aroup 14)         Group 10 (aroup 14)         Group 11 (aroup 14)         Group 12 (aroup 14)         Li-Default         Li-Default         Li-Default         Li-Default         Li-Default         Li-Default         Li-Default<!--</td--><td>Group 5 (croup) 6 (croup) 7 (croup) 8 (Red-Groen)         Group) 6 (Red-Wange)         Group) 8 (Red-Wange)         Group) 10 (Group) 10 (Group) 10 (Group) 10 (Rod-Group) 11 (Rod-Group) 13 (Rod-Group) 12 (Rod-Group) 14 (Rod-Group) 15 (Rod-Group) 15 (Rod-Group) 15 (Rod-Group) 16 (Rod-Group) 16 (Rod-Group) 17 (Rod-Group) 18 (Rod-Group) 18 (Rod-Group) 18 (Rod-Group) 18 (Rod-Group) 19 (Rod-Gr</td><td>Group 6 (croup 6) (croup 6) (Red+Orange)         Group 6 (Red+Orange)         Group 1 (Red+Orange)</td><td>Group (Red-Groen Red-Groen Paire)         Group 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(aroup 12)         Group 10 (aroup 11)         Group 10 (aroup 11)         Group 11 (aroup 12)         Group 10 (aroup 14)         Group 10 (aroup 14)         Group 11 (aroup 14)         Group 12 (aroup 14)         Li-Default         Li-Default         Li-Default         Li-Default         Li-Default         Li-Default         Li-Default </td <td>Group 5 (croup) 6 (croup) 7 (croup) 8 (Red-Groen)         Group) 6 (Red-Wange)         Group) 8 (Red-Wange)         Group) 10 (Group) 10 (Group) 10 (Group) 10 (Rod-Group) 11 (Rod-Group) 13 (Rod-Group) 12 (Rod-Group) 14 (Rod-Group) 15 (Rod-Group) 15 (Rod-Group) 15 (Rod-Group) 16 (Rod-Group) 16 (Rod-Group) 17 (Rod-Group) 18 (Rod-Group) 18 (Rod-Group) 18 (Rod-Group) 18 (Rod-Group) 19 (Rod-Gr</td> <td>Group 6 (croup 6) (croup 6) (Red+Orange)         Group 6 (Red+Orange)         Group 1 (Red+Orange)</td> <td>Group (Red-Groen Red-Groen Paire)         Group (Red-Groen Red-Groen Paire)         Group (Red-Groen Paire)         Group (Group) (G</td> <td> 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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.

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