



MQV Series

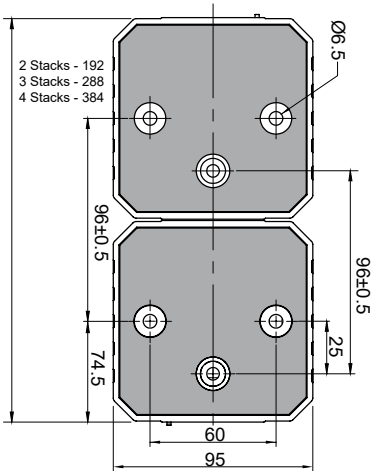
D95mm Cube Signal Lights and Alarms

MQVL series
MQVM series
MQVX series

MQVH series
MQVS series

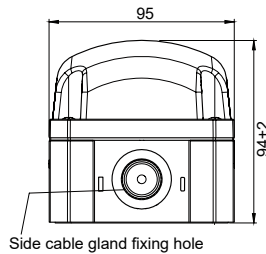
Combination of MQV Series

unit: mm



Combination with signal lights

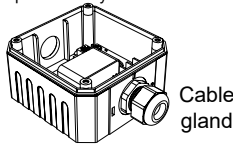
Speaker products and signal lights can be used in the form of traffic lights by connecting two or more products.



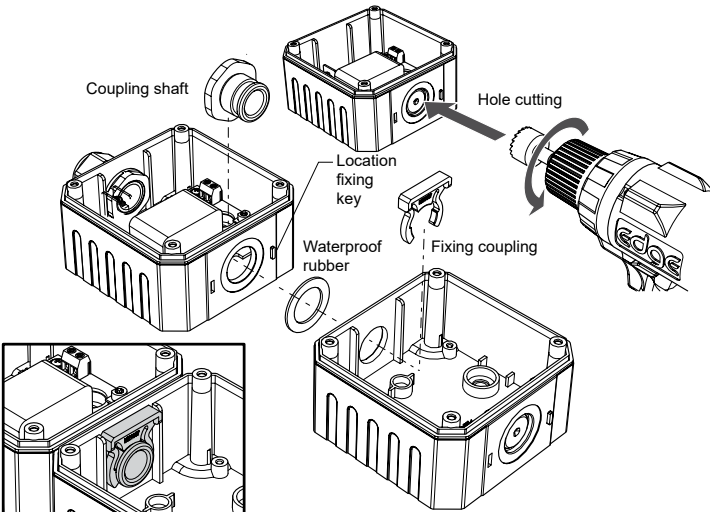
Mounting hole dimension by cable gland standard

Cable gland	Mounting hole	Cable Outer dia
M16X1.5	Ø16	Ø4.5~10
M20X1.5	Ø20	Ø7~12.5
PG9	Ø16	Ø3~8
PG13.5	Ø20	Ø5~12

Before inserting the cable gland accessory, cutting work is required using drill and hole cutter on the side of product body.



Body connection coupling assembly



MQVM Series

D95mm Cube Multi-color LED Signal Light



Ordering Information

MQVM - ① - ② - ③ (V) LED ROHS IP65

① Power Supply	00	12~24VDC
	FF	110~220VAC
② LED Color	RGB	Red & Green & Blue
	RYG	Red & Yellow & Green
③ Option	V	240 ±10 times/minute (Emergency signal)

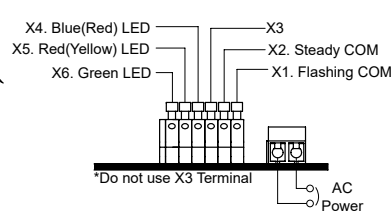
Specifications

Power supply	12 ~ 24VDC, 110 ~ 220VAC (50/60Hz)
Allowable voltage range	10.8V ~ 26.4VDC, 100 ~ 240VAC
Current consumption (±10%)	12~24VDC : 0.28A 110~220VAC : 0.07A
Function	Steady, Flashing
Dimension	95 x 95 x 94 (mm)
Flashing rate	Standard - 80±5 per minute Option (V) type - 240±10 times per minute
Mounting method	Body bottom mount base - Screw type (M6, 2EA)
Power cable insertion	Internal bottom of main body - Maximum cable diameter : Ø7mm External locations - Cable gland
Connection	UL1007/AWG22
Color	Milky white
Material	Body - PA6 Lens - PC
Insulation resistance	Over 100MΩ (500VDC mega between terminals and case)
Withstand voltage	500VAC 50/60Hz 1 min (between terminals and case before)
Vibration	0.75mm at 10~55Hz (cycle: 1minute)
Temperature	Ambient temperature : -20 ~ 50°C Storage ambient temperature: -20 ~ 70°C
Ambient humidity	45 ~ 85% RH
Protection structure	IP65
Weight	App. 300g (AC type standard)

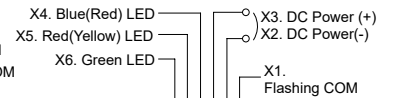
* Life of the LED varies according to operating conditions and environment

Connection Diagram

AC type (110~220VAC)

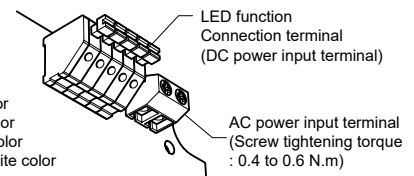


DC type (12~24VDC)



RGB Product Color Combination

- X2 + X4: Blue color
- X2 + X5: Red color
- X2 + X6: Green color
- X2 + X4 + X5: Pink color
- X2 + X4 + X6: Cyan color
- X2 + X5 + X6: Yellow color
- X2 + X4 + X5 + X6: White color





MQVL Series

D95mm Cube LED Signal Light

Ordering Information



MQVL - FF - R (V)

① ② ③

① Power Supply	00	12~24VDC		
	FF	110~220VAC		
② Lens Color	R	Red	G	Green
	Y	Yellow	B	Blue
	C	Clear		
③ Option	V	240 ±10 times/minute (Emergency signal)		

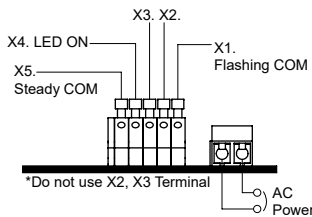
Specifications

Power supply	12 ~ 24VDC, 110 ~ 220VAC (50/60Hz)
Allowable voltage range	10.8V ~ 26.4VDC, 100 ~ 240VAC
Function	Steady, Flashing
Dimension	95 x 95 x 94 (mm)
Flashing rate	Standard - 80±5 per minute Option (V) type - 240±10 times per minute
Mounting method	Body bottom mount base - Screw type (M6, 2EA)
Power cable insertion	Internal bottom of main body - Maximum cable diameter : Ø7mm External locations - Cable gland
Connection	UL1007/AWG22
Color	Red, Yellow, Green, Blue, Clear
Material	Body - PA6 Lens - PC
Insulation resistance	Over 100MΩ (500VDC mega between terminals and case)
Withstand voltage	500VAC 50/60Hz 1 min (between terminals and case before)
Vibration	0.75mm at 10~55Hz (cycle: 1minute)
Temperature	Ambient temperature : -20 ~ 50°C Storage ambient temperature: -20 ~ 70°C
Ambient humidity	45 ~ 85% RH
Protection structure	IP65
Weight	App. 300g (AC type standard)

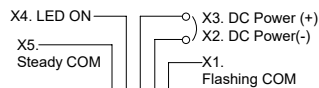
* Life of the LED varies according to operating conditions and environment

Connection Diagram

AC type (110~220VAC)



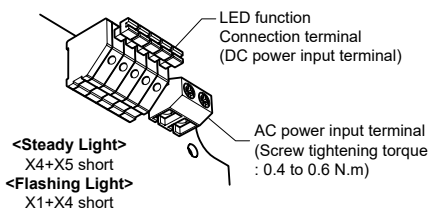
DC type (12~24VDC)



Current consumption

LED color	MQVL Series	
	12~24VDC	110~220VAC
Red	0.21A	0.06A
Yellow	0.21A	0.06A
Green	0.21A	0.06A
Blue	0.28A	0.19A
White	0.21A	0.06A

(RMS value current consumption when LED is on ± 10%)



MQVX Series

D95mm Cube Strobe Light

Ordering Information



MQVX - 00 - R

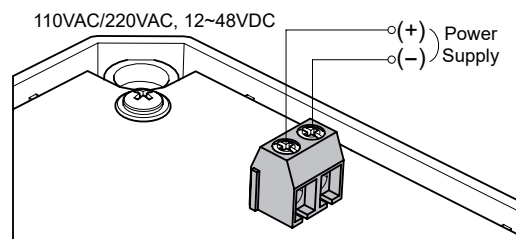
① ②

① Power Supply	00	12~48VDC		
	10	110VAC		
	20	220VAC		
② Lens Color	R	Red	G	Green
	Y	Yellow	B	Blue
	C	Clear		

Specifications

Power supply	12 ~ 24VDC, 110 ~ 220VAC (50/60Hz)
Allowable voltage range	10.8V ~ 50VDC, 100~120VAC, 210~230VAC
Current consumption	12~28VDC : 0.2A 110VAC : 0.07A 220VAC : 0.04A
Function	Flashing
Dimension	95 x 95 x 94 (mm)
Flashing rate	12~18VDC : 80±5 times per min ute 110VAC : 77±5 times per minute 220VAC : 60±5 times per minute
Mounting method	Body bottom mount base - Screw type (M6, 2EA)
Power cable insertion	Internal bottom of main body - Maximum cable diameter : Ø7mm External locations - Cable gland
Connection	UL1007/18AWG
Color	Red, Yellow, Green, Blue, Clear
Material	Body - PA6 Lens - PC
Insulation resistance	Over 100MΩ (500VDC mega between terminals and case)
Withstand voltage	500VAC 50/60Hz 1 min (between terminals and case before)
Vibration	0.75mm at 10~55Hz (cycle: 1minute)
Temperature	Ambient temperature : -20 ~ 50°C Storage ambient temperature: -20 ~ 70°C
Ambient humidity	45 ~ 85% RH
Protection structure	IP65
Weight	App. 283g (DC type)

Connection Diagram





MQV S/H Series

95mm Cube Multi-Tone Sounder

- Built-in 5W or 15W speaker
- Volume adjustable up to 85dB or 105dB
- 9 to 15 tones for a diverse range of applications
- IP 55 to 65



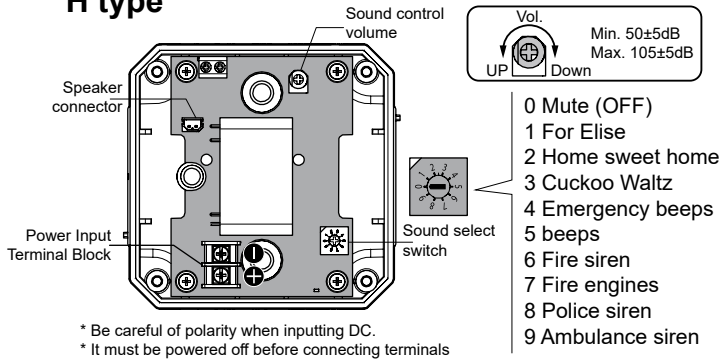
Ordering Information

MQV H-9 FF - R
 ① ② ③

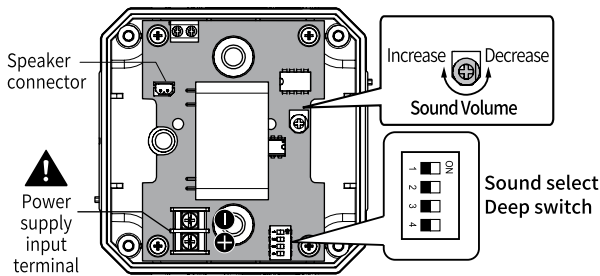
① Type	S-15	Speaker 15ch Sound type
	H-9	Horn speaker 9ch Sound type
② Power Supply	00	12 ~ 24VDC
	FF	110~220VAC
③ Cover Color	R	Red
	B	Black

Connection Diagram

H type



S type



Sound Selection Guide for S Type

No.	Deep switch	Volume	1 = ON 0 = OFF				No.	Deep switch	Volume	1 = ON 0 = OFF			
			Ch1	Ch2	Ch3	Ch4				Ch1	Ch2	Ch3	Ch4
0						8		Homesweet home	1	1	1	0	
1		Ringtone tinkle-tinkle	0	0	0	9		Symphony-Chorus	1	0	0	1	
2		Ringtone toot-toot	1	0	0	10		Rabbit	1	0	0	1	
3		Sonic Sound	0	1	0	11		Beautiful scenery	0	1	0	1	
4		Spinning wheel	1	1	0	12		Turkey in the straw	0	0	1	1	
5		Haydn serenade	0	0	1	13		Clementine	1	0	1	1	
6		Orpheus in hell	1	0	1	14		The bear went over the mountain	0	1	1	1	
7		Melody	0	1	1	15		Spring song	1	1	1	1	

Specifications

Power supply	12 ~ 24VDC, 110 ~ 220VAC (50/60Hz)	
Allowable voltage range	10.8V ~ 26.4VDC, 100 ~ 240VAC	
Current consumption (±10%)	S type	H type
	12~24VDC : 0.08.A 110~220VAC : 0.03A	12V~24VDC: 0.45A 110~220VAC: 0.20A
Volume control	Internal volume control	Internal volume control
Sound volume (max)	85±5dB (1M)	105±5dB (1M)
Sound type	Phone Bell: 3ch Melody: 12ch	Melody: 3ch Signal: 3ch Siren: 3ch
Weight	App. 380g (AC type)	App. 535g (AC type)
Protection structure	IP55	IP65
Power cable insertion	Bottom of main body - Maximum cable diameter: Ø7mm Two external locations - Cable gland (PG9-PG13.5)	
Connection	AC : 18 AWG DC : 22 AWG	
Color	Body - Black	Speaker cover - Black or Red
Material	Body - PA6	Speaker Cover - ABS
Insulation resistance	Over 100MQ (500VDC mega between terminals and case)	
Withstand voltage	500VAC 50/60Hz 1 min (between terminals and case before)	
Vibration	0.75mm at 10~55Hz (cycle: 1minute)	
Temperature	Working temperature : -20 ~ 50°C Storage temperature: -20 ~ 70°C	
Operating humidity	45 ~ 85% RH	
Dimensions	95 x 95 x 94 mm	95 x 95 x 111.2 mm