QTG60(M)L-WV

Modular LED Signal Tower Lights with 8 channels custom voice

PRODUCT SPECIFICATION

QTG60(M)L-WV

Materials Lens-PC, Housing-ABS, Pole-Al
Ambient operating temperature -30°C to +50°C
Sound volume Max. 85dB at 1m
Protection rating IP23
Certificates CE
Compliant with RoHS directive



- Modular steady type signal tower lights
- Excellent visibility from a distance with the use of a special color diffusing lens
- The addition of modules and change in color arrangement can be achieved without the use of tools by using the Lock-type structure
- QTGA type offers a nifty integrated lens and cover for a simple aesthetically pleasing product
- A variety of Mounting bracket selections for the pole mount type to fit your location and mounting needs
- Transistors can be connected and can be operated on PLC directly
- Can be selected one sound tone among a variety of 31 available tones
- Each channel's sum of the sound tone length is 80 seconds
- Sampling rate: 16KHz

Each modular color lens can be added without additional tools



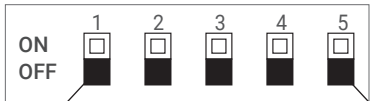
QTG60(M)L-WV model uses a special contact structure for stable operation, the lens modules lock into place by rotating the modular structures together. This allows for easy changes to the color arrangement without any tools. Additional modules can be added.

WV-Voice alarm with 8 tones



Voice alarm with 8 tones can be configured in accordance with working environment. Please refer to [Sound tone and combination for standard product] on this catalogue for detailed sound tone specification

The input method of built-in sound type



No.	1	2	3	4	5
0	0	0	0	0	0
1	0	0	0	0	1
2	0	0	0	1	0
:	:	:	:	:	:
31	1	1	1	1	1

Select from 31 pre-recorded output sound options by using a combination of the 5 channel input switches.
The binary input method allows you to express each of the 31 alarm sound signals with a "0" or "1" by switching the 5 channels on and off as shown in the table.

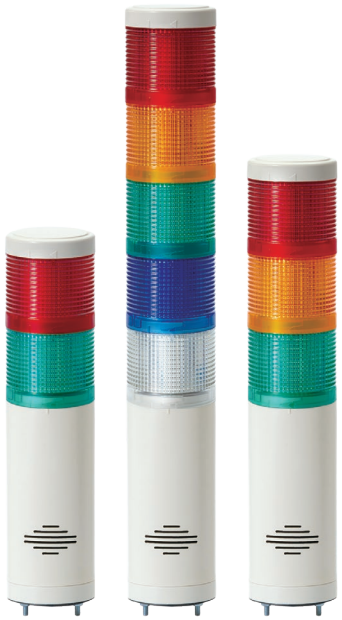
1. Voice messages are pre-recorded and provided from factory upon user's request
2. Each channel has recording space for 16 sec
3. When only one channel is used, maximum recordable space is 80 sec.



1 **Integrated cover and lens mode**
QTG60(M)L-WV the sleek lens cover model is made of one piece for a simple unified look.

2 **Can select from a variety of Mounting brackets option to fit your application needs and build environment**
There are a variety of Mounting bracket options available depending on cost and installation requirements.

QTG60ML-WV / QTG60L-WV



QTG60ML-WV Series

QTG60ML-WV Ø60mm Direct mount, LED Steady Type

Model number	Layers	Voltage	Sound Pattern and Volume	Certificates	Weight	Color
QTG60ML-WV Steady	1	DC24V	31 Customizable voices: 80dB-85dB	CE	0.38kg	R-Red
	2	DC24V			0.43kg	R-Red G-Green
	3	DC24V			0.48kg	R-Red A-Amber G-Green
	4	DC24V			0.53kg	R-Red A-Amber G-Green B-Blue
	5	DC24V			0.58kg	R-Red A-Amber G-Green B-Blue W-White

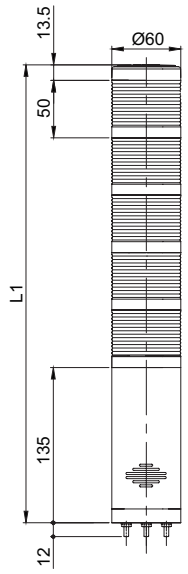
※ In case of customized WV 31 tone type, there may be difference of volume depending on user's audio file type.

Light source/signal sound current (based on 1 layer)

Voltage	DC24V
Light source current(1 layer)	70mA
Signal sound current	160mA

Technical Diagram ·QTG60ML-WV

Units: mm



LAYER	L1
1	199
2	249
3	299
4	349
5	399

Wiring Instructions

· External signal line
- UL1007 AWG22(0.3sq) 400m
· External power line
- UL1015 AWG18(0.75sq)×2C 400mm

Customization

· Wall mount bracket options : Bracket structure allows for threading through the bracket hole or into the wall mount



Wall mount bracket TWS45



Wall mount bracket TWA45

Ordering Specification

QTG60ML-WV	-	3	-	24	-	RAG
[Model number]		[Layers]		[Voltage]		[Color]
QTG60ML-WV		1-1 Layer 2-2 Layers 3-3 Layers 4-4 Layers 5-5 Layers		24-DC24V		R-Red A-Amber G-Green B-Blue W-White

IP23 | +50℃ -30℃ | SPK | 80dB | 85dB | RoHS

QTG60L-WV Ø60mm Pole Mount Type, LED Steady Type

Model number	Layers	Voltage	Sound Pattern and Volume	Certificates	Weight	Color
QTG60L-WV Steady	1	DC24V	31 Customizable voices: 80dB-85dB	CE	0.53kg	R-Red
	2	DC24V			0.58kg	R-Red G-Green
	3	DC24V			0.63kg	R-Red A-Amber G-Green
	4	DC24V			0.68kg	R-Red A-Amber G-Green B-Blue
	5	DC24V			0.73kg	R-Red A-Amber G-Green B-Blue W-White

※ In case of customized WV 31 tone type, there may be difference of volume depending on user's audio file type.



QTG60L-WV Series

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Wiring Instructions

· External signal line - UL1007 AWG22(0.3sq) 400m
· External power line - UL1015 AWG18(0.75sq)×2C 400mm

Mounting bracket

Standard	LB18	LW18	QZ18	SZ18	QL18	SL18	SLB370
Steel	Steel	ABS	ABS	Al	ABS	Al	PC, Steel

※ Please refer to [Tower Light Mounting bracket] on this catalogue for detailed dimensions

Ordering Specification

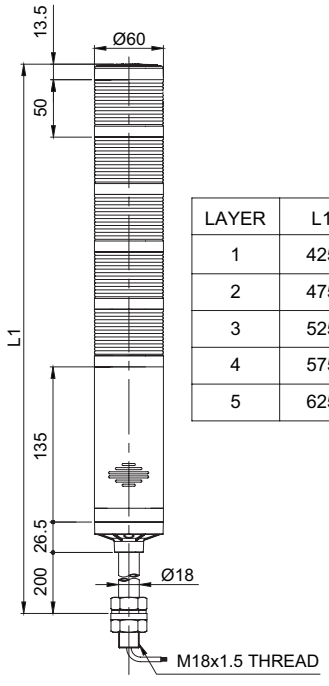
QTG60L-WV	-	3	-	24	-	RAG	-	LW18

[Model number]	[Layers]	[Voltage]	[Color]	[Bracket]
QTG60L-WV	1-1 Layer 2-2 Layers 3-3 Layers 4-4 Layers 5-5 Layers	24-DC24V	R-Red A-Amber G-Green B-Blue W-White	· None-Standard · Bracket -LB18 -LW18 -QZ18 -SZ18 -QL18 -SL18 -SLB370

Technical Diagram

Units: mm

·QTG60L-WV



LAYER	L1
1	425
2	475
3	525
4	575
5	625

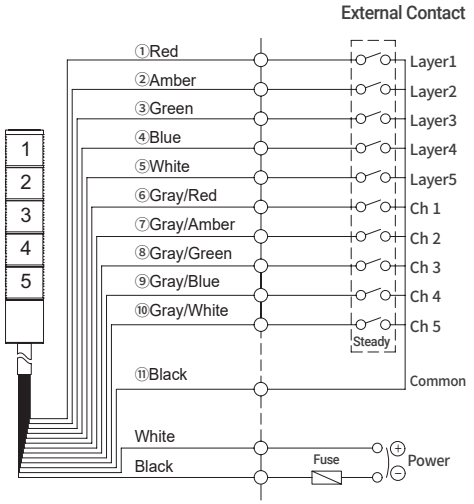
QTG60(M)L-WV

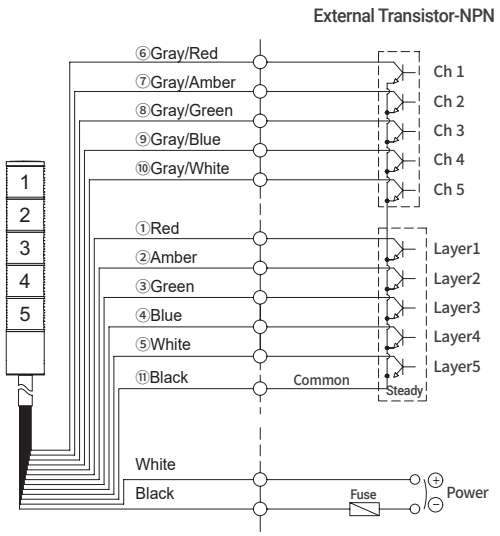
Wiring Instructions(using External Contact)

· In case of wiring with external contacts, refer to the wiring diagrams below according to your product's type and voltage setting.

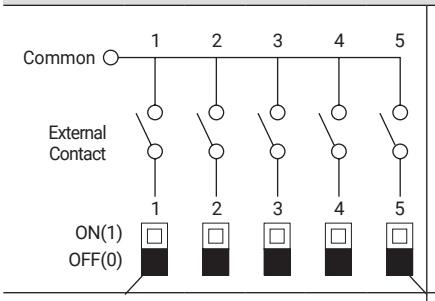
Wiring Instructions

QTG60ML-WV
QTG60L-WV





Binary Input Method Sound Configuration



No.	Ch1	CH2	Ch3	Ch4	Ch5	Sound
0	0	0	0	0	0	No Output Sound
1	1	0	0	0	0	Sound Selection Tone No.1
2	0	1	0	0	0	Sound Selection Tone No.2
				.		
				.		
				.		
28	0	0	1	1	1	Sound Selection Tone No.28
29	1	0	1	1	1	Sound Selection Tone No.29
30	0	1	1	1	1	Sound Selection Tone No.30
31	1	1	1	1	1	Sound Selection Tone No.31

※ Up to 31 pre-recorded tones available via binary input as left table

※ You can only show 2 numbers with 1 switch "0", "1". With 5 switches you can have 31 combinations. Selecting one sound from 5 switches is the Binary input method.
- "0" : OFF
- "1" : ON