QTG60(M)L-WV

Ø60mm LED Signal Tower Lights with custom voice

Qlight

## Modular LED Signal Tower Lights with 8 channels custom voice

Common Specifications

- 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
- Buzzer sound output : Sound volume of Max 85dB at 1m
- Can be used with NPN open collector transistor driven input, which allows direct connection to a PLC
- 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
- Materials : Lens-PC, Housing-ABS, Pole-Al
- Ambient operating temperature : -30°C to +50°C
- Protection rating : IP54
- Certificates : CE Compliant, UL Listed
- Compliant with RoHS directive

• Each modular color lens can be added without additional tools

QTG 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.
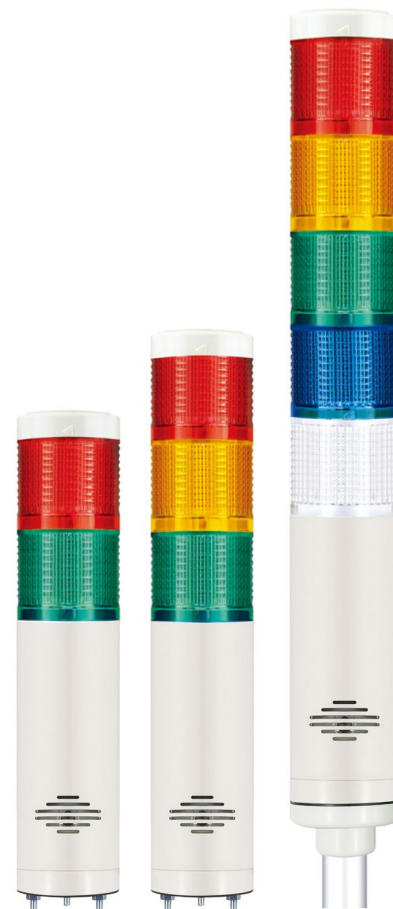
• WV-Voice alarm with 8 tones

Voice alarm with 8 tones can be configured in accordance with working environment. Please refer to page 343 - 345 for detailed information about voice alarm.

① Integrated cover and lens model (QTGA50/ QTGA60/ QTGA70)

QTGA50/ QTGA60/ QTGA70 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 brackets options available depending on cost and installation requirements.

The input method of built-in sound type

ON / OFF	1	2	3	4	5
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.

QTG60ML-WV

Ø60mm LED Signal Tower Lights with custom voice

Qlight

IP23 | -30→+50℃ | BUZZER 85dB | NPN | RoHS
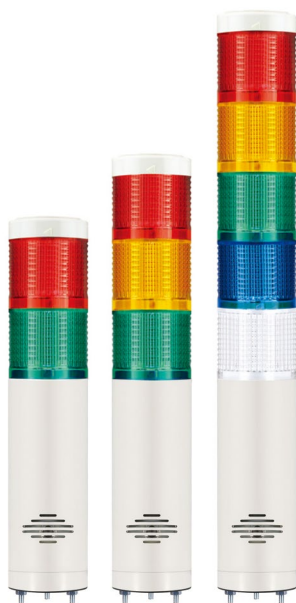
QTG60ML-WV series

🔔 QTG60ML-WV Ø60mm Direct Mount, LED Steady Type

Model number	Layer	Voltage	Current	Certificates	Weight	Color
QTG60MLL-WV Steady	1	DC24V	0.065A	CE	0.41kg 0.41kg 0.51kg	● R-Red
	2		0.130A		0.50kg 0.50kg 0.60kg	● R-Red ● G-Green
	3		0.195A		0.58kg 0.58kg 0.68kg	● R-Red ● A-Amber ● G-Green
	4		0.260A		0.67kg 0.67kg 0.77kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	5		0.325A		0.75kg 0.75kg 0.75kg 0.85kg	● R-Red ● A-Amber ● G-Green ● B-Blue ○ W-White

🔗 Wiring Instructions

• External power line standard - UL2464 AWG22 × 12C(0.3sq) 400mm
• LED tower light can be wiring with external contact and transistor

📐 Technical Diagram   (Units : mm)

QTG60ML-WV

13.5
Ø60
50
L2
135
12.1

LAYER	L1	L2
1	425	210
2	475	260
3	525	310
4	575	360
5	625	410
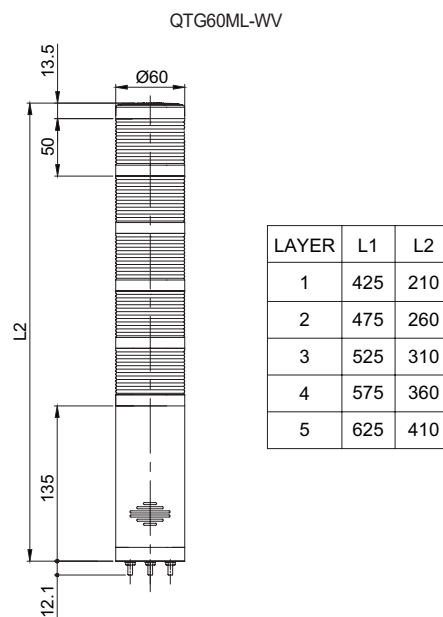
📝 Customization

• 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	-	A
[Model number]		[Layer]		[Voltage]		[Color]

• QTG60ML-WV

• 1-1Layer
• 2-2Layers
• 3-3Layers
• 4-4Layers
• 5-5Layers

• 24-DC24V

● R-Red
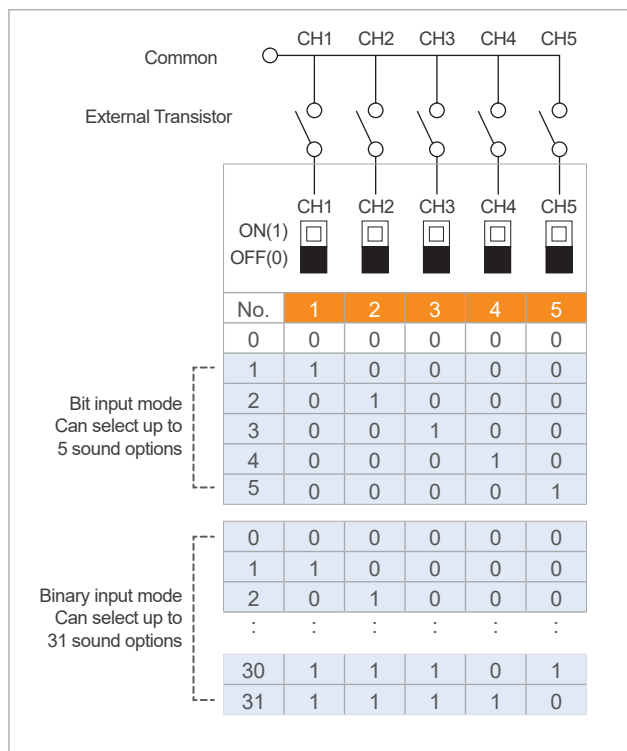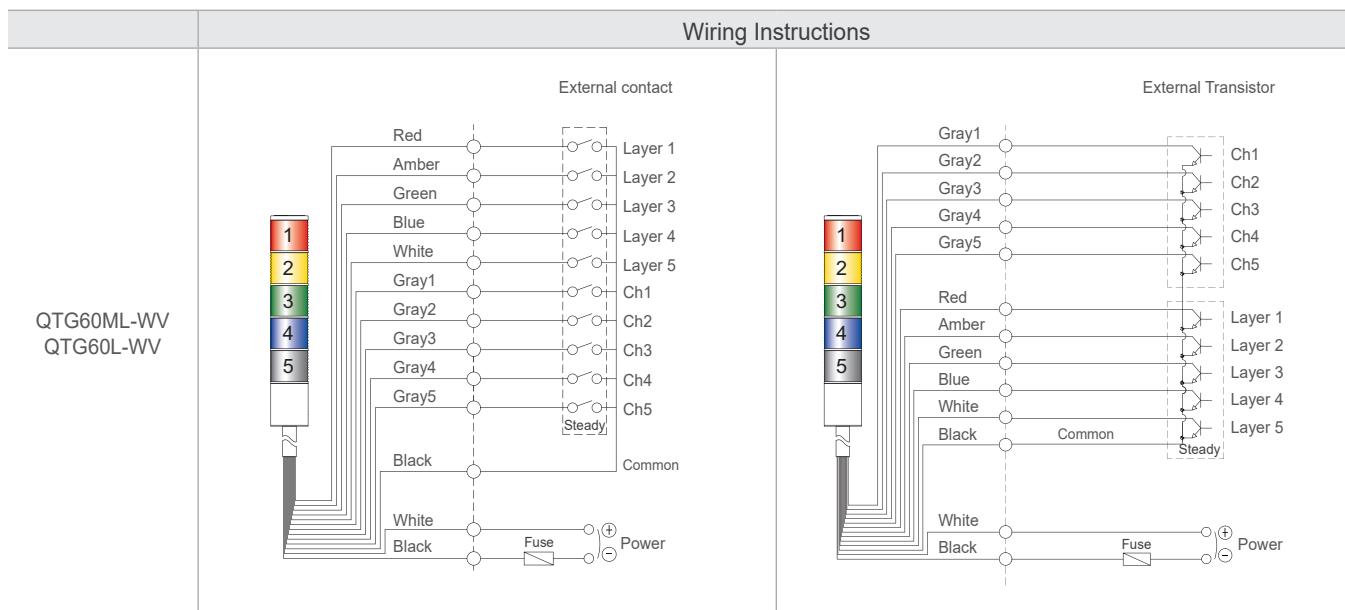● A-Amber
● G-Green
● B-Blue
○ W-White

Wiring Instructions

• Please wiring based below instruction in case of using external contact.

Wiring Instructions	
QTG60ML-WV QTG60L-WV	**External contact** Red — Layer 1 Amber — Layer 2 Green — Layer 3 Blue — Layer 4 White — Layer 5 Gray1 — Ch1 Gray2 — Ch2 Gray3 — Ch3 Gray4 — Ch4 Gray5 — Ch5 Steady Black — Common White / Black — Fuse — Power (+/−) **External Transistor** Gray1 — Ch1 Gray2 — Ch2 Gray3 — Ch3 Gray4 — Ch4 Gray5 — Ch5 Red — Layer 1 Amber — Layer 2 Green — Layer 3 Blue — Layer 4 White — Layer 5 Black — Common Steady White / Black — Fuse — Power (+/−)

※ 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

Common — CH1 CH2 CH3 CH4 CH5

External Transistor

No.	1	2	3	4	5
0	0	0	0	0	0
1	1	0	0	0	0
2	0	1	0	0	0
3	0	0	1	0	0
4	0	0	0	1	0
5	0	0	0	0	1
0	0	0	0	0	0
1	1	0	0	0	0
2	0	1	0	0	0
:	:	:	:	:	:
30	1	1	1	0	1
31	1	1	1	1	0

Bit input mode Can select up to 5 sound options

Binary input mode Can select up to 31 sound options