

LED INDICATOR SELECTION GUIDE

Q6 Series

- Panel mount Ø6mm
- Red, green, yellow, blue, orange & white LED
- Bi-color & super bright LED
- Prominent, recessed & flush bezels
- Bright/black chrome or satin grey finish
- 7 types of termination
- Panel sealed to IP67
- Voltage 2VDC to 28VAC/DC



Q8 Series

- Panel mount Ø8mm
- Red, green, yellow, blue, orange & white LED
- Bi/Tri-color & super bright LED
- Prominent, recessed & flush bezels
- Bright/black chrome or satin grey finish
- 8 types of termination
- Panel sealed to IP67
- Voltage 2VDC to 220VAC



Q12 Series

- Panel mount Ø12mm
- Red, green, yellow, blue, orange & white LED
- Bi/Tri-color & super bright LED
- Prominent, recessed & flush bezels
- Bright/black chrome or satin grey finish
- 7 types of termination
- Panel sealed to IP67
- Voltage 2VDC to 220VAC



Q14 Series

- Panel mount Ø14mm
- Red, green, yellow, blue, orange & white LED
- Bi/Tri-color & super bright LED
- Prominent, recessed & flush bezels
- Bright/black chrome or satin grey finish
- 7 types of termination
- Panel sealed to IP67
- Voltage 2VDC to 220VAC



Q16 Series

- Panel mount Ø16mm
- Red, green, yellow, blue, orange & white LED
- Bi/Tri-color & super bright LED
- Prominent, recessed & flush bezels
- Bright/black chrome or satin grey finish
- 7 types of termination
- Panel sealed to IP67
- Voltage 2VDC to 220VAC



Q19 Series

- Panel mount Ø19mm
- Red, green, yellow, blue, orange & white LED
- Bi/Tri-color & super bright LED
- Prominent, extra prominent, recessed & flush bezel
- Bright/black chrome or satin grey finish
- 7 types of termination
- Panel sealed to IP67
- Voltage 2VDC to 220VAC



Q22 Series

- Panel mount Ø22mm
- Red, green, yellow, blue & white LED
- Bi/Tri-color & super bright LED
- Prominent & flush bezels
- Bright/black chrome or satin grey finish
- 7 types of termination
- Panel sealed to IP67
- Voltage 2VDC to 220VAC



QRM Series

- Rear Panel Mount Ø6 & 8mm
- Red, green, yellow, blue & white LED
- Bi/Tri-color, hyper bright LED
- Protected bezel
- Black chrome finish
- 2 types of termination
- Panel sealed to IP67
- Voltage 2VDC to 28VAC/DC



QS Series

- 6 LED colors
- 2VDC to 220VAC
- Snap in LED indicators
- Push on tab or wire terminals
- Panel mount Ø6, Ø8, Ø10 & Ø12mm



For typical replacement of filament and neon indicators, offering long service life & high reliability.

Based LEDs

- Ba9, E10 & Ba15d
- Voltages 6VAC/DC to 220VAC
- T5 Wedge & T5.5 telephone slide
- T1½ midget groove & midget flange
- Red, green, yellow, blue & white LED



For typical replacement of filament and neon based lamps, offering long service life and high reliability.

QH series

- Full LED halo illumination
- Single, Dual and RGB colors available
- Designed to integrate with Ø16, Ø19 and Ø22mm panel cutout switches and other APEM indicators
- Ø22mm oversized version for integration with APEM's range of Emergency Stop Switches
- Panel sealed up to IP67
- 200mm 26AWG UL1061 wire terminations
- Zero behind panel depth



PANEL SWITCHES

PCB SWITCHES

JOYSTICKS

SWITCH PANELS

LED INDICATORS

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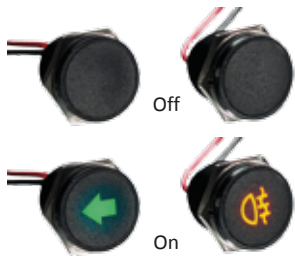
QRM-NV Series - NVIS Compatible

- Rear panel mount Ø8mm
- Protected bezel
- Black chrome finish
- Termination by 200mm wires or rigid pin
- IP67 sealed to EN60529
- Voltage 2VDC to 28VAC/DC
- NVIS compatible to MIL std 3009
- NVIS green A or B, NVIS red
- NVIS yellow A or B, NVIS white
- High temperature NVG filters
- Rear end epoxy sealed
- Operating temperature range -40 to +85°C
- Storage temperature range -55 to +100°C
- Max panel thickness 3.5mm, Torque 60cNm
- Std hardware: nut, spring washer & O-ring
- Custom dress nut available on request



Customization

Secret until lit polycarbonate insert legends on Q16 & Q22



- Custom luminosity
- Special finishes

Engraving
Available on Q14, Q16, Q19 & Q22



- Custom voltages
- Multi voltages

- Custom LED options
- Reverse voltage protection

Cable length, wire gauge and connector options



For all your custom requirements, please contact APEM

VOY5G1607A

SERIES	Q6	Q8	Q12	Q14	Q16	Q19	Q22	QRM	QRM-NV	QS
Panel cut-out	6 mm	8 mm	12 mm	14 mm	16 mm	19 mm	22 mm	6/8 mm	8 mm	6/8/10/12 mm
Voltage range	2VDC - 28VAC/DC	2VDC - 220VAC	2VDC - 220VAC	2VDC - 220VAC	2VDC - 220VAC	2VDC - 220VAC	2VDC - 220VAC	2VDC - 28VAC/DC	2VDC - 28VDC	2VDC - 220VAC
Sealing	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	
Bezel style										
Prominent	✓	✓	✓	✓	✓	✓ (+ extra)	✓			
Recessed	✓	✓	✓	✓	✓	✓				
Flush	✓	✓	✓	✓	✓	✓				
Rear mount								✓	✓	✓
Terminal options										
Solder lugs / fastons	✓	✓	✓	✓	✓	✓	✓			✓
Pins	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wires	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bezel finish										
Bright chrome	✓	✓	✓	✓	✓	✓	✓			
Satin chrome	✓	✓	✓	✓	✓	✓	✓			
Black chrome	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Type of illumination										
Fixed light	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Flashing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bi-color	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Tri-color		✓	✓	✓	✓	✓	✓	✓	✓	✓
Night vision			✓	✓	✓	✓	✓	8 mm only	✓	10 mm only
LED colors										
standard colors	6	6	6	6	6	6	5	5	NVIS colors	6
superbright colors	6	6	6	5	5	5	3	6		
hyperbright colors	4	4	4	4	4	4		3		4

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