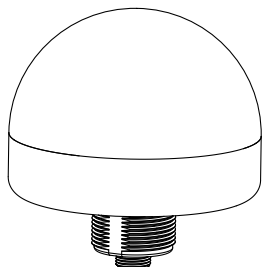


Datasheet

Large multicolor indicator that alternates between active inputs



- Bright, uniform indicator light
- Alternates between colors when multiple inputs are active
- Models are available with up to five colors in one device
- Rugged IP67-rated design
- 12 to 30 V dc operation

Model	# of Colors	Colors	Input	Connection
K90TLGRPQ	2	Green, Red	PNP	5-pin M12/Euro-style Quick Disconnect
K90TLGYRPQ	3	Green, Red, Yellow		
K90TLBGYPQ	4	Blue , Green, Yellow, Red		8-pin M12/Euro-style Quick Disconnect
K90TLWBGYPQ	5	White, Blue, Green, Yellow, Red		
K90TLGRNQ	2	Green, Red	NPN	5-pin M12/Euro-style Quick Disconnect
K90TLGYRNQ	3	Green, Red, Yellow		
K90TLBGYNQ	4	Blue , Green, Yellow, Red		8-pin M12/Euro-style Quick Disconnect
K90TLWBGYNQ	5	White, Blue, Green, Yellow, Red		

Integral quick disconnect models are listed; a mating cordset is required (see [Accessories](#) on page 3).

- To order the 150 mm (5.9 in) PVC pigtail with quick disconnect models, replace Q with QP in the model number, for example, K90TLGRQP.
- To order the 2 m (6.5 ft) cable modes, omit the suffix Q in the model number, for example, K90TLGR.

Specifications

Supply Voltage and Current

12 to 30 V dc
475 mA Max. at 12 V dc
175 mA Max. at 30 V dc

Supply Protection Circuitry

Protected against reverse polarity and transient voltages

Input Response Time

150 ms maximum

Light Characteristics

Color	Typical Wavelength or Color Temperature	Typical Intensity
Red	625 nm	65 lumens
Yellow	590 nm	35 lumens
Green	525 nm	150 lumens
Blue	470 nm	55 lumens
White	6000–7100 K	200 lumens

Construction

Base and dome: Polycarbonate

Connections

Integral 5-pin or 8-pin M12/Euro-style quick disconnect, or 150 mm (5.9 in) PVC pigtail with quick disconnect, or 2 m (6.5 ft) cable, depending on model

Indicators

2 to 5 colors, depending on model

Environmental Rating

IP67

Vibration and Mechanical Shock

All models meet Mil Std. 202F requirements. Method 201A (vibration: 10 to 60 Hz max., double amplitude 0.06", maximum acceleration 10G). Also meets IEC 947-5-2 requirements: 30G 11 ms duration, half sine wave.

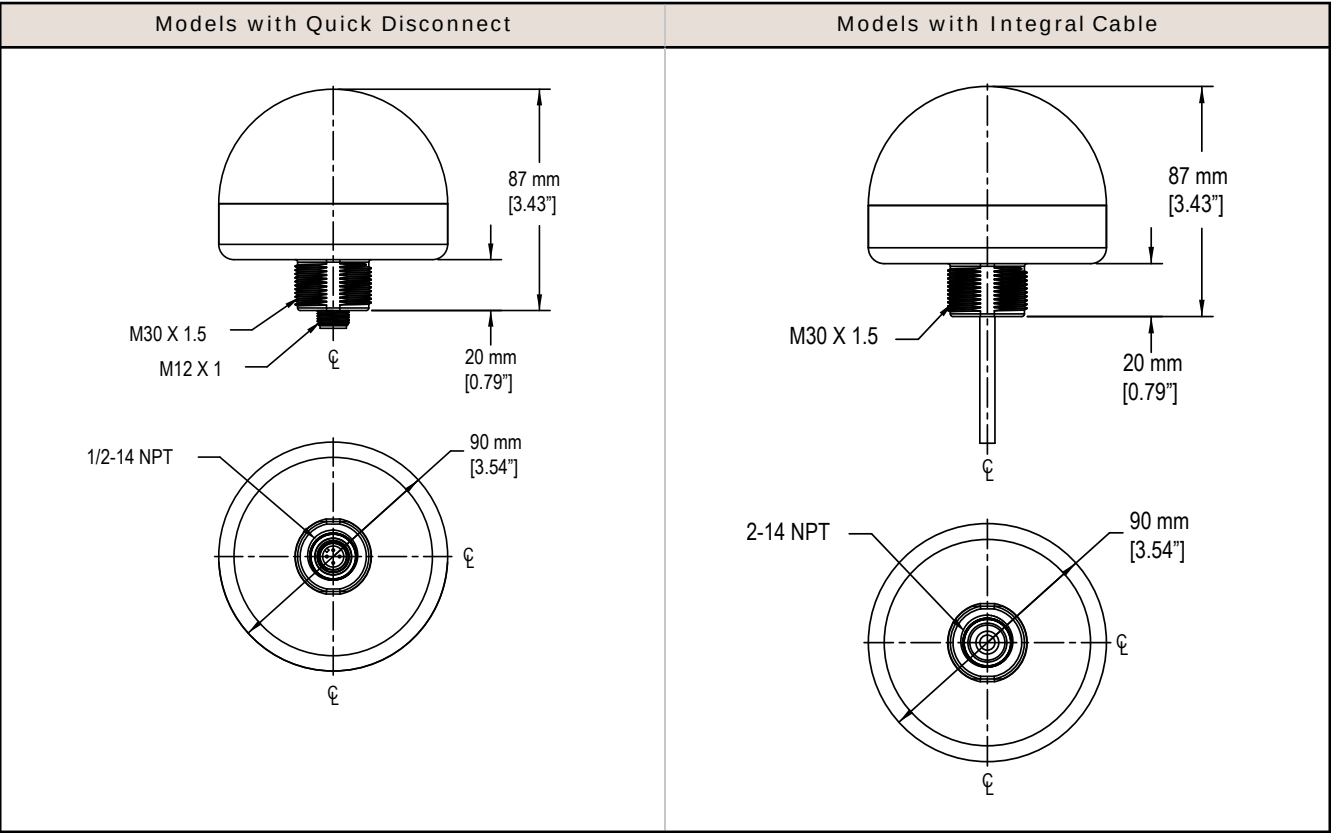
Operating Conditions

–40 °C to +50 °C (–40 °F to +122 °F)

Certifications

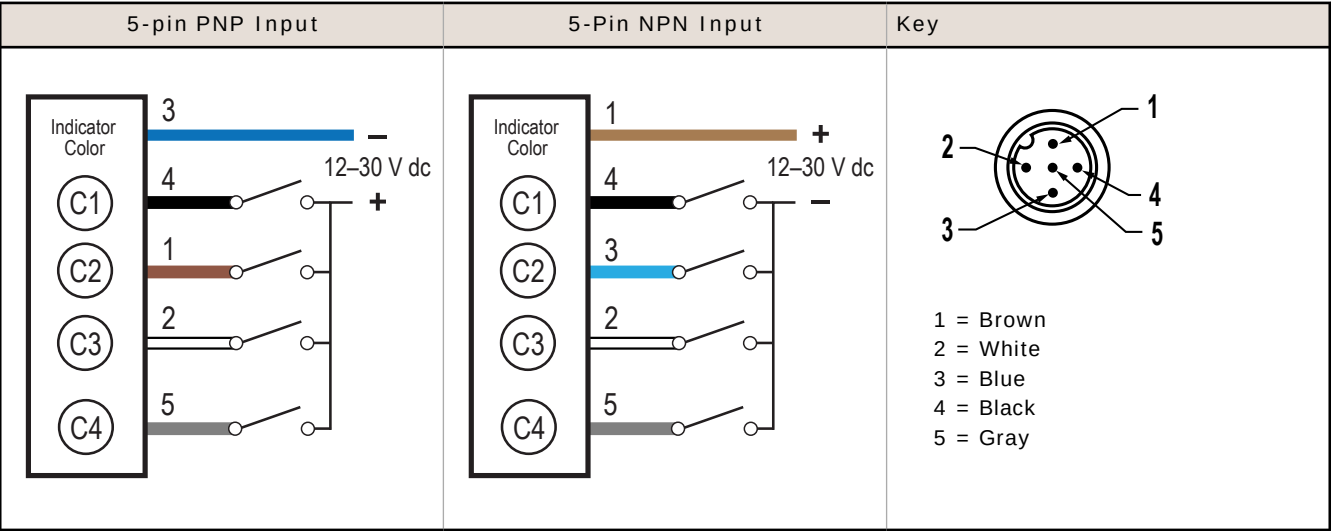


Dimensions



Wiring

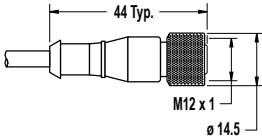
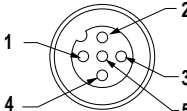
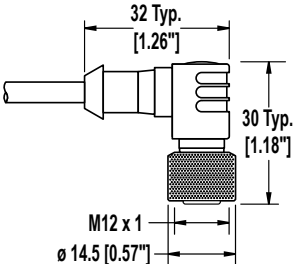
When multiple inputs are on at the same time, the indicator cycles between colors at a rate of 1 Hz.

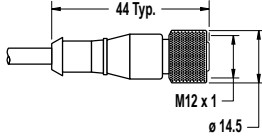
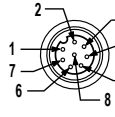
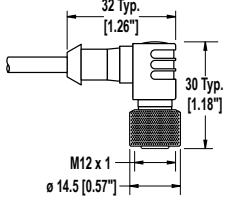


8-pin PNP Input	8-Pin NPN Input	Key
		1 = White 2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red The red and green wires are not used.

Accessories

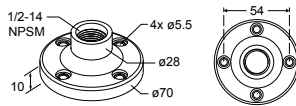
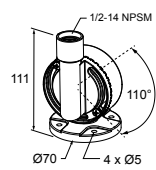
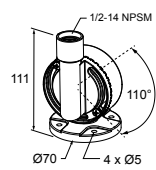
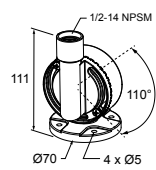
Cordsets

5-Pin Threaded M12/Euro-Style Cordsets (Single Ended)					
Model	Length	Style	Dimensions	Pinout (Female)	
MQDC1-501.5	0.50 m (1.5 ft)	Straight		 1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray	
MQDC1-506	1.83 m (6 ft)				
MQDC1-515	4.57 m (15 ft)				
MQDC1-530	9.14 m (30 ft)				
MQDC1-506RA	1.83 m (6 ft)	Right-Angle			
MQDC1-515RA	4.57 m (15 ft)				
MQDC1-530RA	9.14 m (30 ft)				

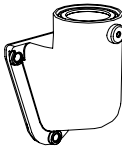
8-Pin Threaded M12/Euro-Style Cordsets with Open-Shield				
Model	Length	Style	Dimensions	Pinout
MQDC2S-806	1.83 m (6 ft)	Straight		 1 = White 2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red
MQDC2S-815	4.57 m (15 ft)			
MQDC2S-830	9.14 m (30 ft)			
MQDC2S-850	15.2 m (50 ft)			
MQDC2S-806RA	1.83 m (6 ft)	Right-Angle		
MQDC2S-815RA	4.57 m (15 ft)			
MQDC2S-830RA	9.14 m (30 ft)			
MQDC2S-850RA	15.2 m (50 ft)			

Elevated Mount System

Model			Features	Components
SA-M30 - Black Polycarbonate			- Streamlined black PC or Gray PC thread cover - Covers M30 thread on the light base - Mounting hardware included	
SA-M30C - Gray Polycarbonate				
Polished 304 Stainless Steel	Black Anodized Aluminum	Clear Anodized Aluminum	- Elevated-use stand-off pipe (½ in. NPSM/DN15) - Polished 304 stainless steel, black anodized aluminum, or clear anodized aluminum surface ½ in. NPT thread at both ends - Compatible with most industrial environments	
SOP-E12-150SS 150 mm (6 in) long	SOP-E12-150A 150 mm (6 in) long	SOP-E12-150AC 150 mm (6 in) long		
SOP-E12-300SS 300 mm (12 in) long	SOP-E12-300A 300 mm (12 in) long	SOP-E12-300AC 300 mm (12 in) long		
SOP-E12-900SS 900 mm (36 in) long	SOP-E12-900A 900 mm (36 in) long	SOP-E12-900AC 900 mm (36 in) long		
SA-E12M30 - Black Acetal			- Streamlined black acetal or white UHMW mounting base adapter/cover - Connects between ½ in. NPSM/DN15 pipe and 30 mm (1-3/16 in) drilled hole - Mounting hardware included	
SA-E12M30C - White UHMW				

Pipe Mounting Flange	Foldable Mounting Brackets															
SA-F12 - Die-cast zinc base with black paint - For use elevated stand-off pipes (½ in, NPSM/DN15) - M5 mounting hardware and nitrile gasket included 	<table><tr><th colspan="4">Foldable Mounting Brackets</th></tr><tr><th>Model</th><th>Features</th><th>Construction</th><th></th></tr><tr><td>SA-FFB12</td><td> - For use with 1/2 inch stand-off pipes </td><td>Black polycarbonate</td><td rowspan="2"></td></tr><tr><td>SA-FFB12C</td><td> - Stainless steel hardware </td><td>Gray polycarbonate</td></tr></table>	Foldable Mounting Brackets				Model	Features	Construction		SA-FFB12	For use with 1/2 inch stand-off pipes	Black polycarbonate		SA-FFB12C	Stainless steel hardware	Gray polycarbonate
Foldable Mounting Brackets																
Model	Features	Construction														
SA-FFB12	For use with 1/2 inch stand-off pipes	Black polycarbonate														
SA-FFB12C	Stainless steel hardware	Gray polycarbonate														

LMB Sealed Right-Angle Brackets

Model	Description	Construction	
LMB30RA	Direct-Mount Models: Bracket kit with base, 30 mm adapter, set screw, fasteners, o-rings, and gaskets	Black polycarbonate	
LMB30RAC		Gray polycarbonate	
LMBE12RA	Pipe-Mount Models: Bracket kit with base, ½-14 pipe adapter, set screw, fasteners, o-rings, and gaskets. For use with stand-off pipe (listed and sold separately)	Black polycarbonate	
LMBE12RAC		Gray polycarbonate	

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