

Datasheet

Large one to five color indicator with flashing input control



- Bright, uniform indicator light
- · All models have flashing input control
- · Models are available with up to five colors in one device
- Rugged IP67-rated design
- 12 to 30 V dc operation

Model	No. of Colors	Colors	Input	Connection
K90LGPQ		Green	PNP	5-pin M12/Euro-style Quick Disconnect
K90LRPQ		Red		
K90LYPQ		Yellow		
K90LBPQ		Blue		
K90LWPQ	1	White		
K90LGNQ	l	Green		
K90LRNQ		Red		
K90LYNQ		Yellow	NPN	
K90LBNQ		Blue		
K90LWNQ		White		

Model	No. of Colors	Colors	Connection	Input	
K90LGRPQ	2	Green, Red	5-pin M12/Euro-style Quick		
K90LGYRPQ	3	Green, Red, Yellow	Disconnect	PNP	
K90LBGYRPQ	4	Blue , Green, Yellow, Red	O pin M12/Fura atula Quiak		
K90LWBGYRPQ	5	White, Blue, Green, Yellow, Red	8-pin M12/Euro-style Quick Disconnect		
K90LGRNQ	2	Green, Red	5-pin M12/Euro-style Quick	NPN	
K90LGYRNQ	3	Green, Red, Yellow	Disconnect		
K90LBGYRNQ	4	Blue , Green, Yellow, Red	9 pip M12/Euro stylo Quick		
K90LWBGYRNQ	5	White, Blue, Green, Yellow, Red	8-pin M12/Euro-style Quick Disconnect		

Integral quick disconnect models are listed; a mating cordset is required (see Accessories on page 4).

- To order the 150 mm (5.9 in) PVC pigtail with quick disconnect models, replace Q with QP in the model number, for example, K90LGYRQP.
- To order the 2 m (6.5 ft) cable modes, omit the suffix Q in the model number, for example, K90LGYR.



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

75 ms maximum

Adjustments

1.6 Hz flash rate via flash input wire

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 (6 in) PVC pigtail with quick disconnect, or 2 m (6.5 ft) cable, depending on model

on mode

Indicators

1 to 5 colors, depending on model

Only one color can be on at a time. The higher color number overrides

the lower color number.

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.

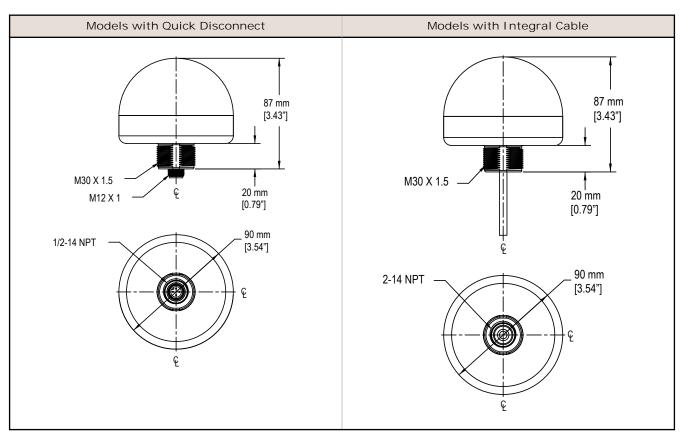
Operating Conditions

-40 °C to +50 °C (-40 °F to +122 °F)

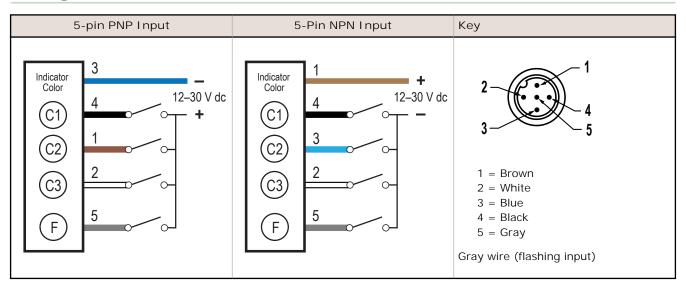
Certifications

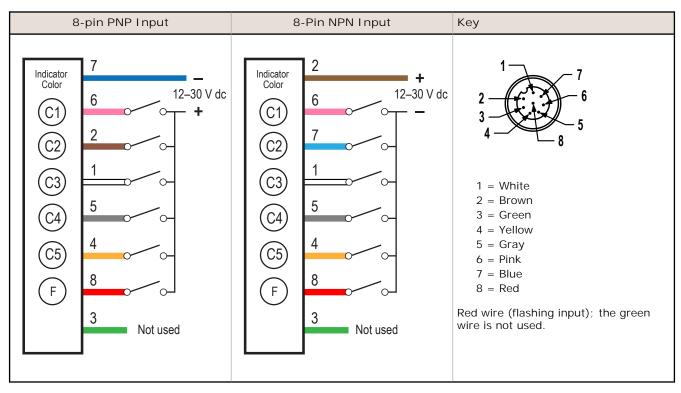


Dimensions



Wiring





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)		44 Typ. ———	
MQDC1-506	1.83 m (6 ft)			
MQDC1-515	4.57 m (15 ft)	Straight	M12 x 1 -	
MQDC1-530	9.14 m (30 ft)		ø 14.5 <u> </u>	
MQDC1-506RA	1.83 m (6 ft)			1 -
MQDC1-515RA	4.57 m (15 ft)		32 Typ	-3
MQDC1-530RA	9.14 m (30 ft)	Right-Angle	[1.26"] 30 Typ. [1.18"] M12 x 1 Ø 14.5 [0.57"]	1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray

8-Pin Threaded M12/Euro-Style Cordsets with Open-Shield					
Model	Length	Style	Dimensions	Pinout	
MQDC2S-806	1.83 m (6 ft)				
MQDC2S-815	4.57 m (15 ft)		44 Typ. ———	2	
MQDC2S-830	9.14 m (30 ft)	Straight		1 -4	
MQDC2S-850	15.2 m (50 ft)		M12 x 1 — 0 14.5 —	7 6 8 5	
MQDC2S-806RA MQDC2S-815RA	1.83 m (6 ft) 4.57 m (15 ft)		, 32 Тур.	1 = White 2 = Brown 3 = Green	
MQDC2S-830RA	9.14 m (30 ft)		[1.26"]	4 = Yellow 5 = Gray	
MQDC2S-850RA	15.2 m (50 ft)	Right-Angle	M12 x 1	6 = Pink 7 = Blue 8 = Red	

Elevated Mount System

Model	Features	Components
SA-M30 - Black Polycarbonate	Streamlined black PC or Gray PC thread cover	
SA-M30C - Gray Polycarbonate	Covers M30 thread on the light baseMounting hardware included	

Model			Features	Components
Polished 304 Stainless Steel	Black Anodized Aluminum	Clear Anodized Aluminum		46
SOP-E12-150SS 150 mm (6 in) long	SOP-E12-150A 150 mm (6 in) long	SOP-E12-150AC 150 mm (6 in) long	 Elevated-use stand-off pipe (½ in. NPSM/DN15) Polished 304 stainless steel, black anodized aluminum. or clear anodized aluminum surface 	
SOP-E12-300SS 300 mm (12 in) long	SOP-E12-300A 300 mm (12 in) long	SOP-E12-300AC 300 mm (12 in) long	 ½ in. NPT thread at both ends Compatible with most industrial environments 	
SOP-E12-900SS 900 mm (36 in) long	SOP-E12-900A 900 mm (36 in) long	SOP-E12-900AC 900 mm (36 in) long		π
SA-E12M30 - Black Acetal			Streamlined black acetal or white UHMW mounting base adapter/cover	طله
SA-E12M30C - White UHMW		 Connects between ½ in. NPSM/DN15 pipe and 30 mm (1-3/16 in) drilled hole Mounting hardware included 		

Pipe Mounting Flange	Foldable Mounting Brackets			
SA-F12 • Die-cast zinc base with black paint NPSM 4x ø5.5 • For use elevated stand-off		unting Brackets Features	Construc	
pipes (½ in, NPSM/DN15) 101 • M5 mounting hardware and nitrile gasket included	SA-FFB12	• For use with 1/2 inch stand-off	Black polycarbo nate	1/2-14 NPSM
	SA- FFB12C	pipes • Stainless steel hardware	Gray polycarbo nate	070 4 x Ø5
		,		

LMB Sealed Right-Angle Brackets

Model	Description	Construction	
LMB30RA		Black polycarbonate	
LMB30RAC	Direct-Mount Models: Bracket kit with base, 30 mm adapter, set screw, fasteners, o-rings, and gaskets	Gray polycarbonate	
LMBE12RA		Black polycarbonate	
LMBE12RAC	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)	Gray polycarbonate	

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