EZ-LIGHT™ 2-Color Indicators for Use with Sensors



Datasheet

DC-operated LED indicators

For the latest technical information about this product, including specifications, dimensions, and wiring, see www.bannerengineering.com.

	Inputs		
•	T8LGYX7PQP	PNP	
	T8LGYX7NQP	NPN	
	 Polycarbonate/ABS alloy housing, thermoplastic diffuser IP67 		
6	M18GYX7PQ	PNP	
	M18GYX7NQ	NPN	
	 Nickel-plated brass housing, thermoplastic diffuser Fully encapsulated IP67 		
•	T18GYX7PQ	PNP	
	T18GYX7NQ	NPN	
	 Thermoplastic polyester housing, thermoplastic diffuser Fully encapsulated IP67 		
	T30GYX7PQ	PNP	
	T30GYX7NQ	NPN	
	Thermoplastic polyester thermoplastic diffuserFully encapsulated IP67		

	Models	Inputs		
	K30LGYX7PQ	PNP		
	K30LGYX7NQ	NPN		
	 22 mm threaded polycarbonate base, translucent polycarbonate dome Fully encapsulated IP67, IP69K 			
	K50LGYX7PQ	PNP		
	K50LGYX7NQ	NPN		
	 30 mm threaded polycarbonate base, translucent polycarbonate dome Fully encapsulated IP67, IP69K 			
	K50FLGYX7PQ	PNP		
	K50FLGYX7NQ	NPN		
	 Polycarbonate base, translucent polycarbonate dome Fully encapsulated IP67, IP69K 			
	K80LGYX7PQ	PNP		
	K80LGYX7NQ	NPN		
	 ABS and polycarbonate translucent polycarbonat Electronics fully encapsu 	e dome		

T8L Models: Standard pigtail QD models are listed. To order the integral 4-wire cable model, omit suffix QP (for example, T8LGYX7P).

K80L Models: Standard 4-pin Euro integral QD connector models are listed. To order the terminal-wired model, omit suffix Q (for example, K80LGYX7P).

Other Models: Standard 4-pin Euro integral QD connector models are listed. To order the 2 m (6.5 ft) integral 4-wire cable model, omit suffix Q (example, M18GYX7P). To order the 150 mm (5.9 in) PVC pigtail with 4-pin Euro connector, replace suffix Q with QP (for example, M18GYX7PQP).

Contact the factory for other colors/color combinations, including: blue, white, and orange.



WARNING: Not To Be Used for Personnel Protection

Never use this device as a sensing device for personnel protection. Doing so could lead to serious injury or death. This device does not include the self-checking redundant circuitry necessary to allow its use in personnel safety applications. A sensor failure or malfunction can cause either an energized or de-energized sensor output condition.



^{*} A QD model requires a mating cable; see Cordsets on page 3.

Specifications

Supply Voltage and Current

T8L models: 10 to 30 V dc at 20 mA max.

T18, M18, and K30L models: 10 to 30 V dc at 25 mA max. per LED

T30 models: 10 to 30 V dc at 40 mA max. per LED color

K50L, K50FL, and K80L models: 18 to 30 V dc at 40 mA max. per LED

Indicators

Entire translucent diffuser or dome provides indication. Green and yellow, when connected to discrete output of 3-wire or 4-wire sensors. For other colors, contact factory for availability.

Input Response Time

Indicator ON/OFF: 1 ms max.

Construction

See Models lists

Connections

T8L models: 4-pin Euro-style 150 mm (5.9 in) pigtail QD (QP) or 4wire, 2 m (6.5 ft) integral cable, depending on model

K80L models: 4-pin Euro-style integral QD (Q)standard; terminal-wired models available for use with bulk cable; compression fitting optional. Contact Factory for cable information.

Other models: 4-pin Euro-style integral QD (Q), 5.9 in. pigtail QD (QP), or 4-wire, 2 m (6.5 ft) integral cable, depending on model

Environmental Rating

Rated IEC IP67. T8L not encapsulated; K80L has encapsulated electronics only; other models fully encapsulated.

K30L, K50L, and K50FL QD models meet IP69K, per DIN 40050-9. Cabled models also meet IP69K if the cable and cable entrance are protected from high-pressure spray.

Operating Conditions

Temperature: -40 °C to +50 °C (-40 °F to +122 °F)

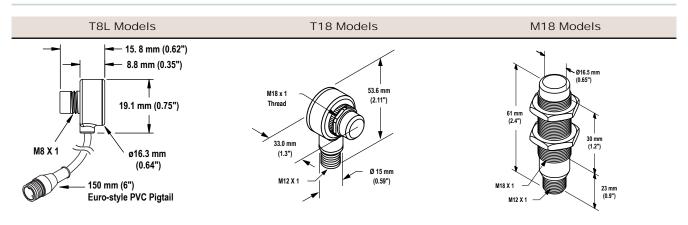
Certifications

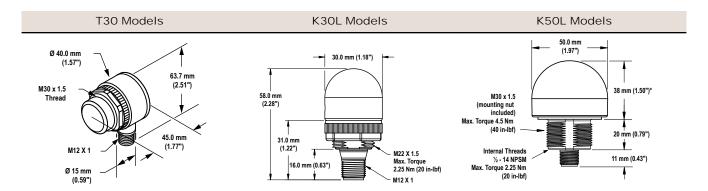


K30L and K50L models: USTED

Other models: **(E**

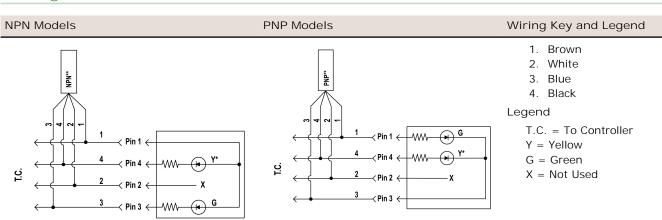
Dimensions





KSOFL Models K80L Models

Wiring

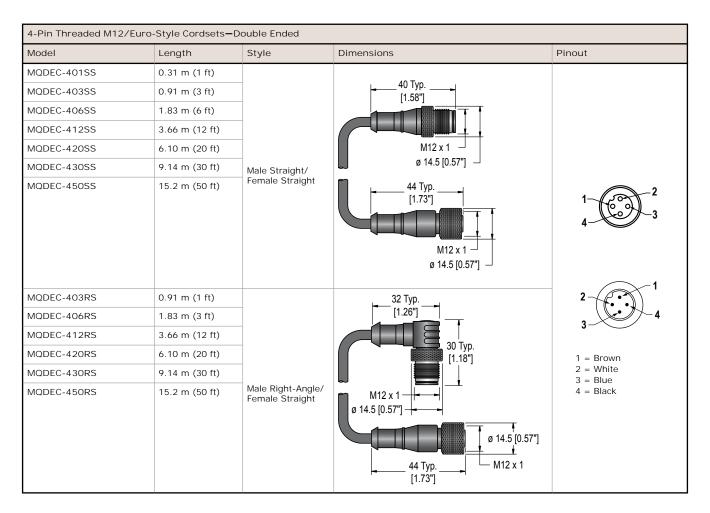


- *Yellow ON = Green OFF
- ** This object represents the sensor

Cordsets

4-Pin Threaded M12/Euro-Style Cordsets				
Model	Length	Style	Dimensions	Pinout
MQDC-406	1.83 m (6 ft)	Charlet	44 Typ. ————————————————————————————————————	
MQDC-415	4.57 m (15 ft)			1 (00) 3
MQDC-430	9.14 m (30 ft)			
MQDC-450	15.2 m (50 ft)		M12 x 1 — ø 14.5 —	4
				1 = Brown 2 = White 3 = Blue 4 = Black

4-Pin Threaded M12/Euro-Style Cordsets				
Model	Length	Style	Dimensions	Pinout
MQDC-406RA	1.83 m (6 ft)		32 Typ. [1.26"]	
MQDC-415RA	4.57 m (15 ft)			
MQDC-430RA	9.14 m (30 ft)			
MQDC-450RA	15.2 m (50 ft)	Right-Angle	30 Typ. [1.18"] M12 x 1 ø 14.5 [0.57"]	



Model	Branches (Female)	Trunk (Male)	Dimensions	Pinout
CSB-M1240M1240	No branch	No trunk		
CSB-M1240M1241		No trunk		1-20-2
CSB-M1241M1241		0.30 m (1 ft)		3
CSB-M1248M1241	-	2.50 m (8 ft)	04.5 18.0 44 Typ. [1.87]	4-
CSB-M12415M1241		4.57 m (15 ft)	014.5 [0.57] M12 x 1 35 [1.88] 43.0 [1.88]	
CSB-M12425M1241	2 x 0.30 m (1 ft)	7.60 m (25 ft)		2-0-1
CSB-UNT425M1241		7.60 m (25 ft) Unterminated		3
				1 = Brown
				2 = White 3 = Blue 4 = Black

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