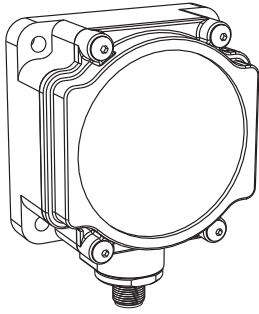


Datasheet

Large, Multicolor General-Purpose Solid ON or Flashing Indicator

To view or download the latest technical information about this product, including specifications, dimensions, accessories, and wiring, see www.bannerengineering.com.



- Multicolor, single segment
- 1-, 2-, or 3-color models available; 9 available colors
- Bright, even light
- DIP switches adjust solid ON or flashing for each color
- Two user-selectable flash rates
- 12 V dc to 30 V dc operation
- Flat-mount



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.

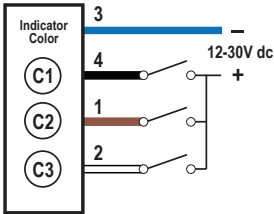
Models

Family	Color 1	Color 2	Color 3	Input	Connector
K80FL	G	Y	R	P	Q
MODEL KEY	G = Green R = Red Y = Yellow B = Blue W = White O = Orange T = Turquoise V = Violet M = Magenta X = No color in this position			P = PNP	Q = Integral 4-pin M12/ Euro-style QD Blank = Terminal-wired QP = 150 mm (6 in) PVC cable with M12/Euro- style QD

Example Model	# of LED Colors	LED Indicators	Connection
K80FLGXXPQ	1	Green	Integral 4-pin M12/Euro-style QD
K80FLRXXPQ		Red	
K80FLGRXP	2	Green, Red	Terminal-wired
K80FLGYXP		Green, Yellow	
K80FLGRYPQP	3	Green, Red, Yellow	150 mm (6 in) PVC cable with M12/Euro-style QD



Wiring Diagram



Wiring Key

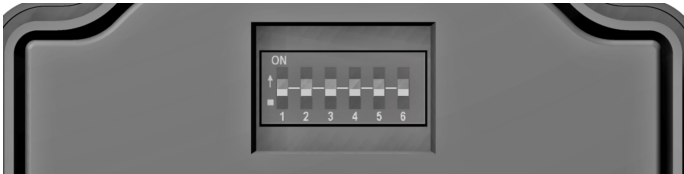
- 1 = Brown
- 2 = White
- 3 = Blue
- 4 = Black

Setup for Solid ON or Flash



NOTE: The Program DIP switch is located inside the cover.

Remove the four screws to remove the cover.



Switch Number	Position	Function	Switch Number	Position	Function
1	ON	No function	4	ON	Color 2 flash
	OFF			Color 2 solid ON	
2	ON	No function	5	ON	Color 3 flash
	OFF			Color 3 solid ON	
3	ON	Color 1 flash	6	ON	Flash rate 1 Hz
	OFF	Color 1 solid ON		OFF	Flash rate 2 Hz

Specifications

Supply Voltage and Current

- 12 V dc at 140 mA max.
- 30 V dc at 60 mA max.

Indicators

- 1, 2, or 3 colors, depending on model

Input Response Time

- 10 ms max.

Adjustments

- 6-position Program DIP switch on the back of the indicator cover.
- For normal operation, no adjustment should be necessary; these switches should remain all in the down position.
- For alternate operation (flash functionality), see Setup for Solid ON or Flash section.

Construction

- Base: polycarbonate
- Translucent face: acrylic

Connections

- Integral 4-pin M12/Euro-style quick disconnect; 150 mm (6 in) PVC cable with quick disconnect; or terminal-wired, depending on model
- Optional ½-14 NPSM cord grip model BWA-CG.5-1

Environmental Rating

- IEC IP67

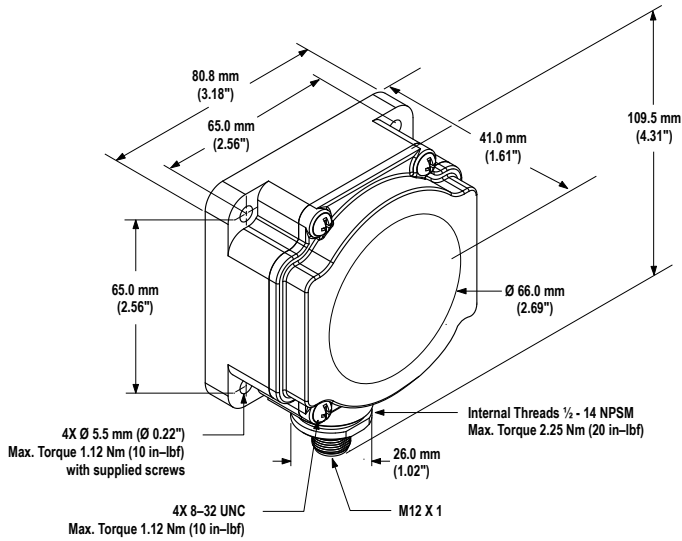
Operating Conditions

- 40 °C to +50 °C (-40 °F to +122 °F)

Certifications



Dimensions



Accessories

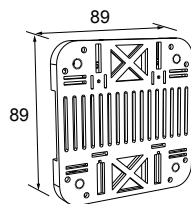
4-Pin Euro-Style Cordsets

4-Pin Threaded M12/Euro-Style Cordsets				
Model	Length	Style	Dimensions	Pinout (Female)
MQDC-406	1.83 m (6 ft)	Straight		<p>1 = Brown 2 = White 3 = Blue 4 = Black</p>
MQDC-415	4.57 m (15 ft)			
MQDC-430	9.14 m (30 ft)			
MQDC-450	15.2 m (50 ft)			
MQDC-406RA	1.83 m (6 ft)	Right-Angle		
MQDC-415RA	4.57 m (15 ft)			
MQDC-430RA	9.14 m (30 ft)			
MQDC-450RA	15.2 m (50 ft)			

Brackets

SMBDX80DI N

Black reinforced thermoplastic
 Bracket for mounting on a 35
 mm DIN rail



Accessory Quadrant Labels

Transparent self-adhesive cover labels for printing in a standard laser printer; print your own labels to easily identify each quadrant. Clear protective labels provide additional protection for laser print work in many industrial environments. Six labels per sheet; 5 sheets per package.

Model	Description	Size
SALK-K80L4-0	1-quadrant transparent laser label (includes 30 labels)	8.5" x 11"

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