Features

Large, Multicolor, Daylight Visible General Purpose Solid ON or Flashing Indicator



- Multicolor, single segment
- 1-, 2-, or 3-color models available; 6 available colors
- 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:

- **Do not use this device for personnel protection**
- Using this device for personnel protection could result in serious injury or death.
- This device does not include the self-checking redundant circuitry necessary to allow its use in personnel safety applications. A device failure or malfunction can cause either an energized (on) or de-energized (off) output condition.

Models

Model Key

Family	Color 1	Color 2	Color 3	Input	Connection[1]
K80FDL	G	Y	R	P	Q
	G = Green R = Red Y = Yellow B = Blue W = White O = Orange X = No color in this position			P = PNP	Blank = Terminal wired Q = Integral 4-pin M12 male quick-disconnect connector QP = 150 mm (6 in) PVC-jacketed cable with a 4-pin M12 male quick-disconnect connector

Models

Model	Number of LED Colors	LED Indicators	Connection
K80FDLWXXPQ	1	White	Integral 4-pin M12 male quick-disconnect connector
K80FDLGXXPQ		Green	
K80FDLGRXPQ	2	Green, Red	
K80FDLGRYPQ	3	Green, Red, Yellow	
K80FDLGRYPQP			150 mm (6 in) PVC-jacketed cable with a 4-pin M12 male quick-disconnect connector

The following models are no longer available for order but are still covered by the information in this document.

[1] Models with a quick-disconnect connector require a mating cordset.

Original Instructions
04-May-26

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166106
p/n: 166106 Rev. E

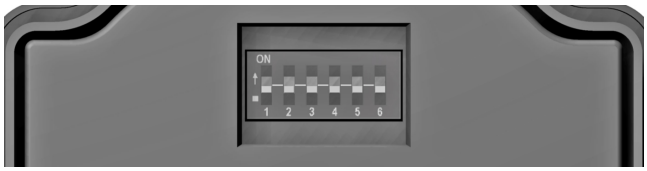
ПРОМЭЛЕКТРОНИКА/ sales@prom-elec.com

- K80FDLBWXP
- K80FDLBXXP
- K80FDLGBYP
- K80FDLGRWP
- K80FDLGRXP
- K80FDLGRYP
- K80FDLGXXP
- K80FDLGYXP
- K80FDLOXXP
- K80FDLRXXP
- K80FDLRYOP
- K80FDLWXXP
- K80FDLYXXP
- K80FDLBBBPQ
- K80FDLBGWPQ
- K80FDLBXXPQ
- K80FDLBYRPQ
- K80FDLGBYPQ
- K80FDLGGGPQ
- K80FDLGYXPQ
- K80FDLOXXPQ
- K80FDLRBWPQ
- K80FDLRRRPQ
- K80FDLRXXPQ
- K80FDLXXRPQ
- K80FDLXYXPQ
- K80FDLYXXPQ
- K80FDLYYYPQ
- K80FDLBXXPQP
- K80FDLGRBPQP
- K80FDLGRXPQP
- K80FDLGXXPQP
- K80FDLGYXPQP
- K80FDLOXXPQP
- K80FDLRBXPQP
- K80FDLRXXPQP
- K80FDLWXXPQP
- K80FDLYXXPQP

Setup for Solid ON or Flash

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

Remove the four screws to remove the cover.

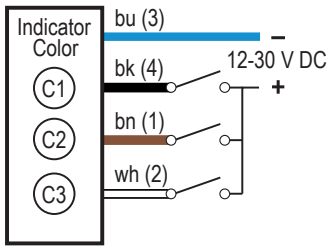


Switch Number	Position	Function
1	ON	No function
	OFF	
2	ON	No function
	OFF	
3	ON	Color 1 flash
	OFF	Color 1 solid ON

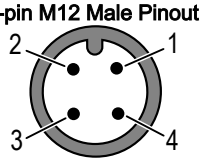
Switch Number	Position	Function
4	ON	Color 2 flash
	OFF	Color 2 solid ON
5	ON	Color 3 flash
	OFF	Color 3 solid ON
6	ON	Flash rate 1 Hz
	OFF	Flash rate 2 Hz

Wiring

Diagram



4-pin M12 Male Pinout



Wiring Key

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

Specifications

Supply Voltage and Current

12 V DC at 140 mA max.

30 V DC at 60 mA 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 male quick-disconnect connector; 150 mm (6 in) PVC-jacketed cable with a 4-pin M12 male quick-disconnect connector; or terminal-wired, depending on model

Optional ½-14 NPSM cord grip model BWA-CG.5-1

Environmental Rating

IP67

Operating Conditions

–40 °C to +50 °C (–40 °F to +122 °F)

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

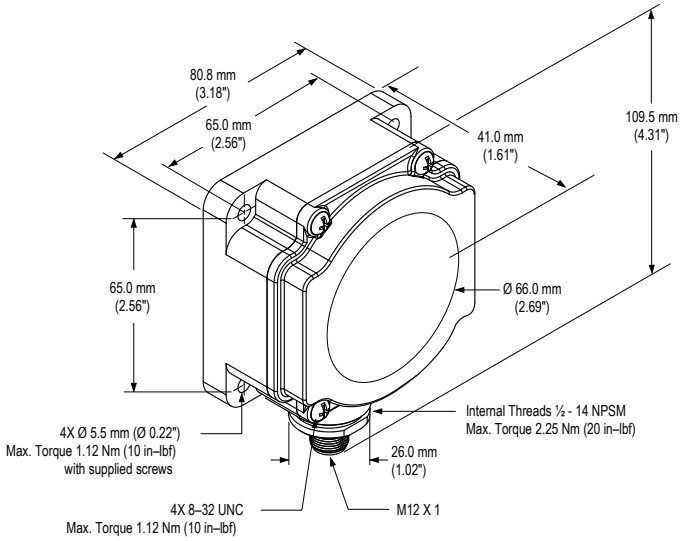
Input Response Time
10 ms max.

Indicator Characteristics

Color	Dominant Wavelength (nm) or Color Temperature (CCT)	Lumen Output (Typical at 25 °C)
Green	525 nm	39
Red	630 nm	28
Yellow	589 nm	23
Blue	470 nm	8.5
Orange	606 nm	18
White	6000 K	71

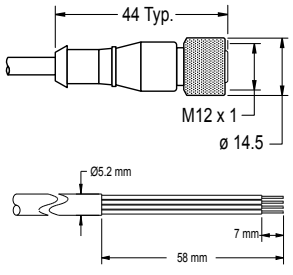
Certifications
Banner Engineering BV
Park Lane, Culliganlaan 2F bus 3
1831 Diegem, BELGIUM

Dimensions
All measurements are listed in millimeters [inches], unless noted otherwise. The measurements provided are subject to change.



Accessories

Cordsets

4-Pin Single-Ended M12 Female Cordsets					
Model	**Length**	**Style**	**Dimensions**	**Pinout (Female)**	
MQDC-406	2 m (6.56 ft)	Straight			1 = Brown 2 = White 3 = Blue 4 = Black 5 = Not used
MQDC-415	5 m (16.4 ft)				
MQDC-430	9 m (29.5 ft)				
MQDC-450	15 m (49.2 ft)				

Continued on page 4

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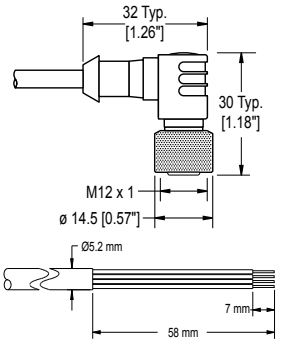
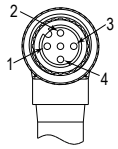
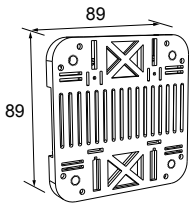
4-Pin Single-Ended M12 Female Cordsets					
Model	**Length**	**Style**	**Dimensions**	**Pinout (Female)**	
MQDC-406RA	2 m (6.56 ft)	Right-Angle			
MQDC-415RA	5 m (16.4 ft)				
MQDC-430RA	9 m (29.5 ft)				
MQDC-450RA	15 m (49.2 ft)				

Bracket

SMBDX80DIN

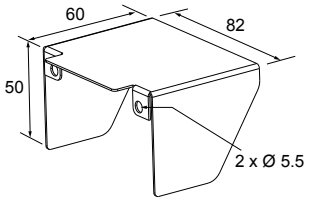
- Black reinforced thermoplastic
- Bracket for mounting on a 35 mm DIN rail
- CAD Files: DXF, PDF, IGS, STP



Sun Shield

K80DS

- Use for enhanced visibility to shade the unit from direct sunlight
- Black painted steel
- CAD Files: DXF, PDF, IGS, STP



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