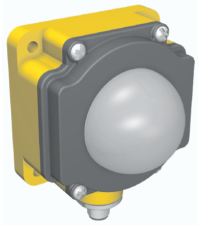
Features

AC-operated, multi-color, general-purpose indicators





- Rugged, cost-effective, and easy-to-install indicators available in K50 or K80 housing style
- Illumination provides easy-to-see operator guidance and equipment status indication
- Compact devices are completely self-contained, no controller needed
- 85 V AC to 130 V AC operation
- Displays 3 colors
- Immune to ambient light, EMI, and RFI interference

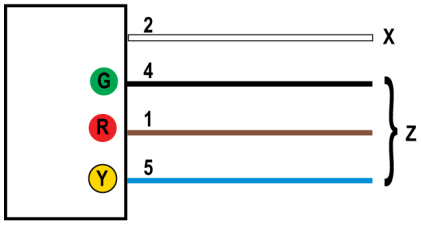
Contact Banner Engineering for more information.

Models

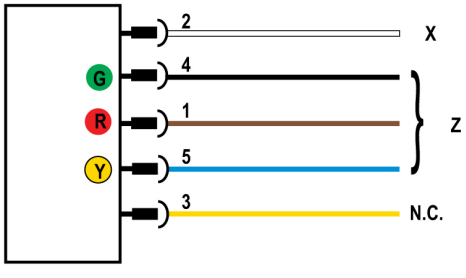
Model	Construction	Connection[1]	LED Function[2]	Inputs
K50LGRYA120Q	50 mm dome/ 30 mm mount polycarbonate	Integral 5-pin 1/2 in. 20UNF male quick-disconnect connector	3 Color: Green, Red, Yellow	85 V AC to 130 V AC
K80LGRYA120Q	50 mm dome/Flat or DIN-mount polycarbonate			

Wiring

Cabled Models



Quick-Disconnect Models



Key:

1 = Brown
2 = White
3 =Yellow
4 = Black
5 = Blue
G = Green
R = Red
Y = Yellow
X = V AC Neutral
Z = Input 85 V AC to 130 V AC
N.C. = Not Used

Specifications

Supply Voltage and Current
85 AC to 130 V AC at 15 mA maximum

Supply Protection Circuitry
Protected against transient voltages

Indicators
LEDs are independently selected: Green, Red, or Yellow.

Input Response Time
Indicator ON/OFF: 1 ms max.

Environmental Rating
Rated IP67. K50L models fully encapsulated; K80L has encapsulated electronics only. K50L quick-disconnect models meet IP69K, per DIN 40050-9; cabled models also meet IP69K if the cable and cable entrance are protected from high-pressure spray.

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[1] Integral quick-disconnect (QD) connector models are listed.
- For 150 mm PVC with QD, replace **Q** with **QP** in model number (example, **K50LGRYA120QP**).
- For 2 m (6.5 ft) PVC cable, omit suffix **Q** from model number (example, **K50LGRYA120**).
- A model with a QD requires a mating cable (see)

[2] Contact Banner Engineering for other colors and color combinations.

Original Instructions
18-Jun-25

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134548
p/n: 134548 Rev. D

ПРОМЭЛЕКТРОНИКА/ sales@prom-elec.com

Certifications

K50L and K80L models:

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

K50L models only:

c UL us LISTED

Connections

Integral 5-pin 1/2 in. 20UNF male quick-disconnect connector, 150 mm (6 in) PVC-jacketed cable with a 5-pin 1/2 in. 20UNF male quick-disconnect connector (QP), or 2 m (6.5 ft) integral PVC-jacketed cable, depending on model

K80L models: terminal-wired models available for use with bulk cable; compression fitting optional. Contact Banner Engineering for cable information.

Operating Conditions

–40 °C to +50 °C (–40 °F to +122 °F)

90% at +55 °C maximum relative humidity (non-condensing)

Required Overcurrent Protection

WARNING: Electrical connections must be made by qualified personnel in accordance with local and national electrical codes and regulations.

Overcurrent protection is required to be provided by end product application per the supplied table.

Overcurrent protection may be provided with external fusing or via Current Limiting, Class 2 Power Supply.

Supply wiring leads < 24 AWG shall not be spliced.

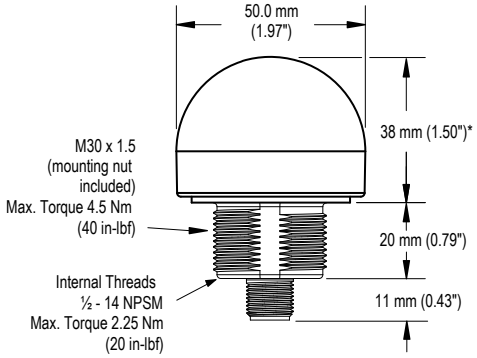
For additional product support, go to www.bannerengineering.com.

Supply Wiring (AWG)	Required Overcurrent Protection (A)	Supply Wiring (AWG)	Required Overcurrent Protection (A)
20	5.0	26	1.0
22	3.0	28	0.8
24	1.0	30	0.5

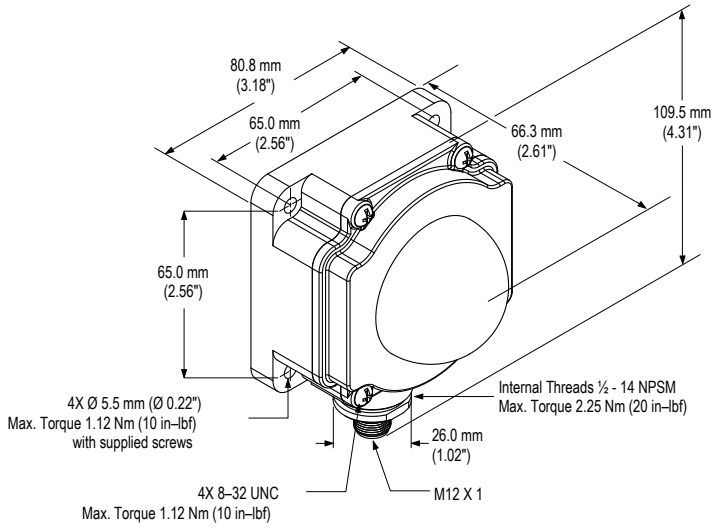
Dimensions

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

K50L Models



K80L Models



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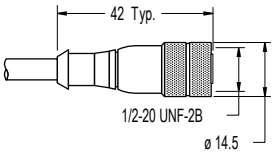
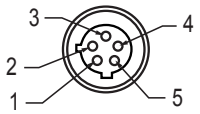
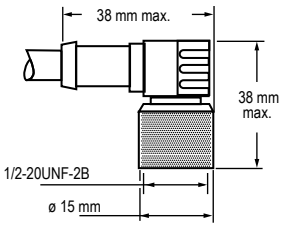
Accessories

Cordsets

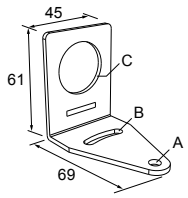
5-Pin Single-Ended 1/2-in Dual Key Female Shielded Cordsets				
Model	**Length**	**Style**	**Dimensions**	**Pinout (Female)**
MQVR3S-506	2 m (6.56 ft)	Straight		 1 = Brown 2 = White 3 = Yellow 4 = Black 5 = Blue
MQVR3S-515	5 m (16.4 ft)			
MQVR3S-530	10 m (32.8 ft)			
MQVR3S-506RA	2 m (6.56 ft)	Right Angle		
MQVR3S-515RA	5 m (16.4 ft)			
MQVR3S-530RA	10 m (32.8 ft)			

Brackets

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

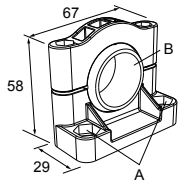
SMB30A
- Right-angle bracket with curved slot for versatile orientation
- Clearance for M6 (¼ in) hardware
- Mounting hole for 30 mm sensor
- 12-gauge stainless steel

Hole center spacing: A to B=40
Hole size: A=ø 6.3, B= 27.1 × 6.3, C=ø 30.5



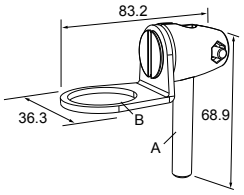
SMB30SC
- Swivel bracket with 30 mm mounting hole for sensor
- Black reinforced thermoplastic polyester
- Stainless steel mounting and swivel locking hardware included

Hole center spacing: A=ø 50.8
Hole size: A=ø 7.0, B=ø 30.0



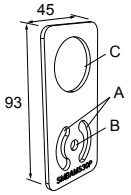
SMB30FA
- Swivel bracket with tilt and pan movement for precise adjustment
- Mounting hole for 30 mm sensor
- 12-gauge 304 stainless steel
- Easy sensor mounting to extrude rail T-slot
- Metric- and inch-size bolt available

Bolt thread: SMB30FA, A= 3/8 - 16 × 2 in; SMB30FAM10, A= M10 - 1.5 × 50
Hole size: B= ø 30.1



SMBAMS30P
- Flat SMBAMS series bracket
- 30 mm hole for mounting sensors
- Articulation slots for 90°+ rotation
- 12-gauge 300 series stainless steel

Hole center spacing: A=26.0, A to B=13.0
Hole size: A=26.8 × 7.0, B=ø 6.5, C=ø 31.0



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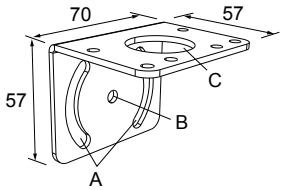
SMB30MM

- 12-gauge stainless steel bracket with curved mounting slots for versatile orientation
- Clearance for M6 (¼ in) hardware
- Mounting hole for 30 mm sensor

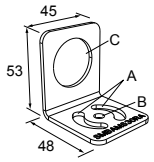
Hole center spacing: A = 51, A to B = 25.4
Hole size: A = 42.6 × 7, B = ø 6.4, C = ø 30.1



SMBAMS30RA

- Right-angle SMBAMS series bracket
- 30 mm hole for mounting sensors
- Articulation slots for 90°+ rotation
- 12-gauge (2.6 mm) cold-rolled steel

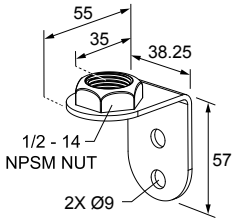
Hole center spacing: A=26.0, A to B=13.0
Hole size: A=26.8 × 7.0, B=ø 6.5, C=ø 31.0



LMBE12RA35

- Direct mounting of stand-off pipe, with common bracket type
- Zinc-plated steel
- 1/2-14 NPSM nut
- Mounting distance from the wall to the center of the 1/2-14 NPSM nut is 35 mm

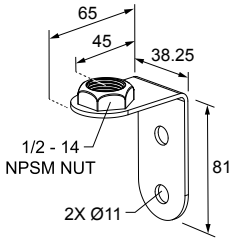
Hole center spacing: 20.0



LMBE12RA45

- Direct mounting of stand-off pipe, with common bracket type
- Zinc-plated steel
- 1/2-14 NPSM nut
- Mounting distance from the wall to the center of the 1/2-14 NPSM nut is 45 mm

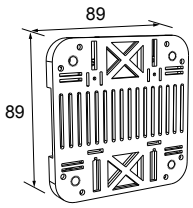
Hole center spacing: 35.0



For K80L

SMBDX80DIN

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



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