EZ-LIGHT® Indicators—85 to 130 V ac

Datasheet

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 to 130 V ac operation
- Displays 3 colors
- Immune to ambient light, EMI, and RFI interference

QPMA Contact Banner Engineering for more information.

Models

Model	Construction	Connection[1]	LED Function[2]	Inputs
K50LGRYA120Q	50 mm dome/ 30 mm mount polycarbonate	5-pin Micro QD	3 Color: Green, Red, Yellow	85 to 130 V ac
K80LGRYA120Q	50 mm dome/Flat or DIN-mount polycarbonate			

Specifications

Supply Voltage and Current
85 to 130 V ac at 15 mA max.

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 IEC IP67. K50L models fully encapsulated; K80L has encapsulated electronics only. K50L 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.

Connections
5-pin Micro-style integral QD (Q), 150 mm (6 in) pigtail QD (QP), or 2 m (6.5 ft) integral 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)

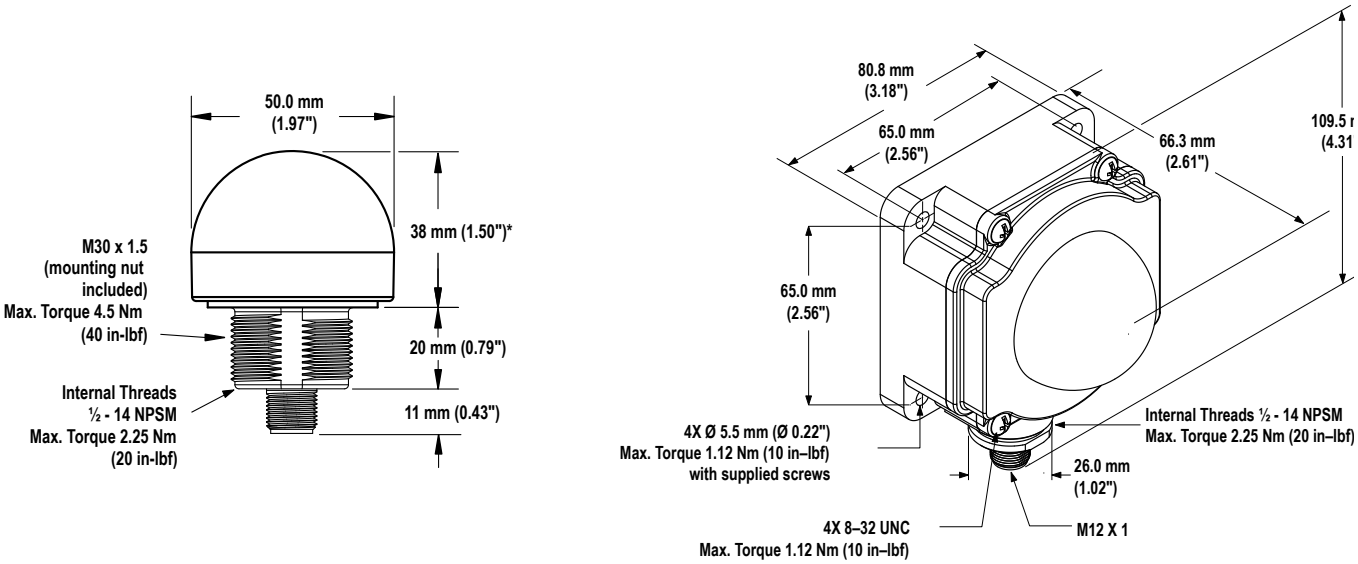
Certifications
CE

1 Integral QD models are listed.
- For 150 mm PVC pigtail 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 *Cordsets* on page 3)

2 Contact Banner Engineering for other colors and color combinations.

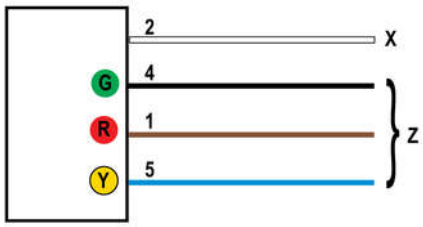
Dimensions

K50L	K80L

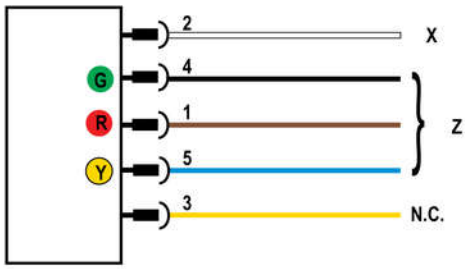


Wiring

Cabled Models



QD Models

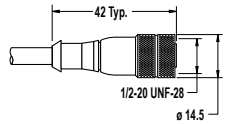
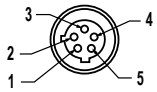
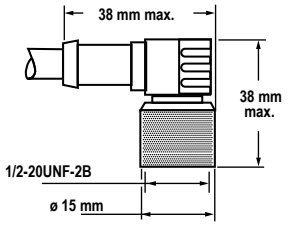


Key:

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

Accessories

Cordsets

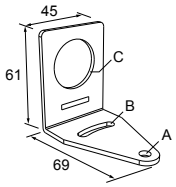
5-Pin Micro-Style Cordsets with Shield				
Model	Length	Style	Dimensions	Pinout (Female)
MQVR3S-506	1.83 m (6 ft)	Straight		 1 = Brown 2 = White 3 = Yellow 4 = Black 5 = Blue
MQVR3S-515	4.57 m (15 ft)			
MQVR3S-530	9.14 m (30 ft)			
MQVR3S-506RA	1.83 m (6 ft)	Right Angle		
MQVR3S-515RA	4.57 m (15 ft)			
MQVR3S-530RA	9.14 m (30 ft)			

Brackets

All measurements are listed in millimeters, unless noted otherwise.

SMB30A

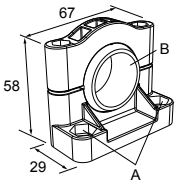
- Right-angle bracket with curved slot for versatile orientation
- Clearance for M6 (¼ in) hardware
- Mounting hole for 30 mm sensor
- 12-ga. stainless steel



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

SMB30SC

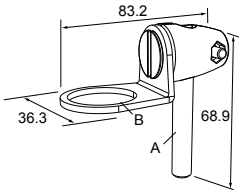
- Swivel bracket with 30 mm mounting hole for sensor
- Black reinforced thermoplastic polyester
- Stainless steel mounting and swivel locking hardware included



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

SMB30FA

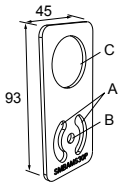
- Swivel bracket with tilt and pan movement for precise adjustment
- Mounting hole for 30 mm sensor
- 12-ga. 304 stainless steel
- Easy sensor mounting to extrude rail T-slot
- Metric and inch size bolt available



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

SMBAMS30P

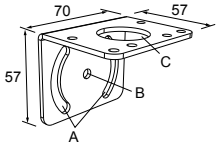
- Flat SMBAMS series bracket
- 30 mm hole for mounting sensors
- Articulation slots for 90°+ rotation
- 12-ga. 300 series stainless steel



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

SMB30MM

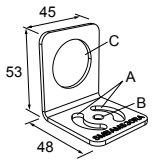
- 12-ga. stainless steel bracket with curved mounting slots for versatile orientation
- Clearance for M6 (¼ in) hardware
- Mounting hole for 30 mm sensor



Hole center spacing: A = 51, A to B = 25.4
Hole size: A = 42.6 x 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-ga. (2.6 mm) cold-rolled steel

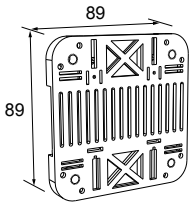


Hole center spacing: A=26.0, A to B=13.0
Hole size: A=26.8 x 7.0, B=ø 6.5, C=ø 31.0

For K80L

SMBDX80DIN

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



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