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



Datasheet

DC-operated LED indicators

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

| Models | | Inputs | Models | | | |
|--------|--|--------|--|--|--|--|
| | T8LGYX7PQP | PNP | K30LGYX7PQ | PNP | | |
| | T8LGYX7NQP | NPN | K30LGYX7NQ | NPN | | |
| T | Polycarbonate/ABS alloy housing, thermoplastic diffuser IP67 | | 22 mm threaded polyca translucent polycarbona Fully encapsulated IP67 | te dome | | |
| | M18GYX7PQ | PNP | T | | | |
| Ca | M18GYX7NQ | NPN | K50LGYX7PQ | PNP | | |
| | Nickel-plated brass housing, thermoplastic diffuser | | K50LGYX7NQ | NPN | | |
| | Fully encapsulated IP67 T18GYX7PQ | PNP | 30 mm threaded polycarbonate base, translucent polycarbonate dome | | | |
| | T18GYX7NQ | NPN | | | | |
| | Thermoplastic polyester housing, thermoplastic diffuser Fully encapsulated IP67 | | K50FLGYX7PQ | PNP | | |
| T | | | K50FLGYX7NQ | NPN | | |
| | T30GYX7PQ | PNP | | Polycarbonate base, translucent polycarbonate dome Fully encapsulated IP67, IP69K | | |
| | T30GYX7NQ | NPN | | | | |
| | Thermoplastic polyester housing, thermoplastic diffuser Fully encapsulated IP67 | | K80LGYX7PQ | PNP | | |
| | | | K80LGYX7NQ | NPN | | |
| | | | ABS and polycarbonate polycarbonate dome Electronics fully encapse | | | |

A QD model requires a mating cable; see Cordsets (p. 3).

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.

Specifications

| Supply | Voltage | and | Current |
|--------|---------|-----|---------|
|--------|---------|-----|---------|

- T8L models: 10 V dc to 30 V dc at 20 mA maximum T18, M18, and K30L models: 10 V dc to 30 V dc at 25 mA maximum per LED color T30 models: 10 V dc to 30 V dc at 40 mA maximum per LED color K50L, K50FL, and K80L models: 18 V dc to 30 V dc at 40 mA maximum per LED color

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.

Connections

- nnections T8L models: 4-pin M12/Euro-style 150 mm (6 in) PVC cable with QD (QP) or 4-wire, 2 m (6.5 ft) integral cable, depending on model K30L models: 4-pin M12/Euro-style QD (Q), 150mm (6") PVC cable with QD (QP), 4-wire, 2 m (6.5 ft) integral cable, or 5 color-coded screw terminal for up to 16 AWG wire, depending on model. Screw terminal max torque: 0.11N-m (1.0lbr-in). K30L models: 4-pin M12/Euro-style integral QD (Q)standard; terminal-wired models available for use with bulk cable; compression fitting optional. Contact Factory for cable information. cable information

(QP), or 4-wire, 2 m (6.5 ft) integral cable, depending on model Construction

See Models lists



Environmental Rating Rated IEC IP67. T8L not encapsulated; K80L has encapsulated electronics only; other

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Operating Conditions

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



K30L and K50L models only:

Required Overcurrent Protection

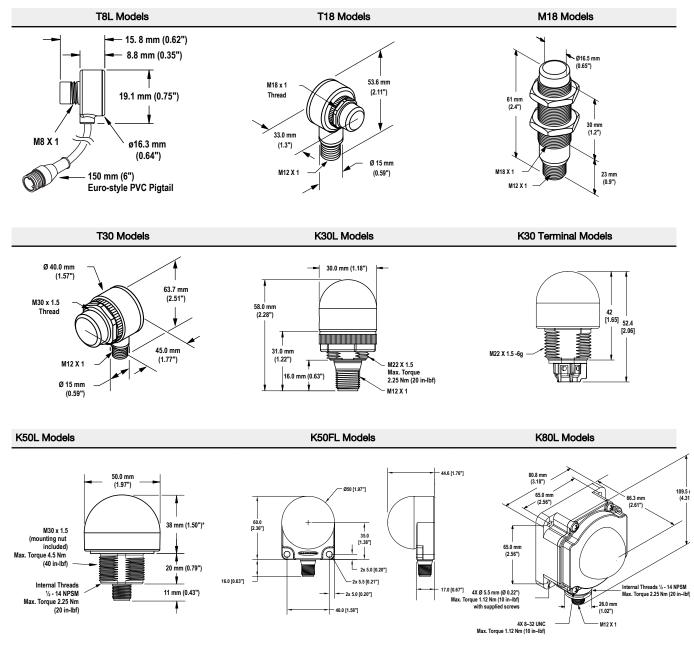


WARNING: Electrical connections must be made by qualified personnel in accordance with local and national electrical codes and regulations.

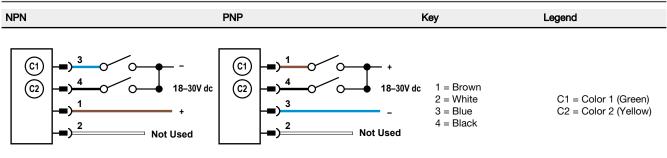
Overcurrent protection is required to be provided by end product application per the supplied table. Overcurrent protection may be provided with external fusing or via Current Limiting, Class 2 Power Supply. Supply wiring leads < 24 AWG shall not be spliced. For additional product support, go to *www.bannerengineering.com*.

| Supply Wiring (AWG) | Required Overcurrent Protection (Amps) | |
|---------------------|--|--|
| 20 | 5.0 | |
| 22 | 3.0 | |
| 24 | 2.0 | |
| 26 | 1.0 | |
| 28 | 0.8 | |
| 30 | 0.5 | |

Dimensions



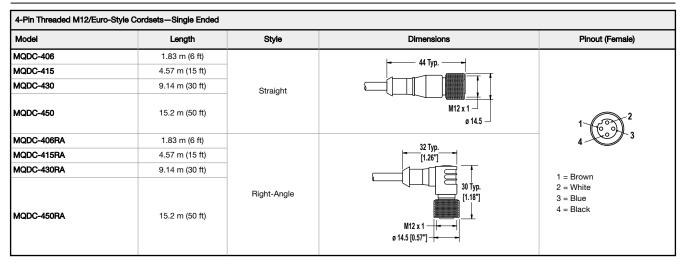




Color 2 overrides Color 1

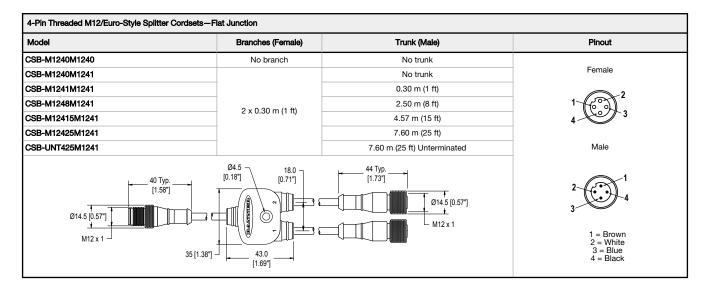
Color 2 overrides Color 1

Cordsets



| 4-Pin Threaded M12/Euro-Style Cordsets – Double Ended | | | | |
|---|----------------|----------------------------------|------------|---|
| Model | Length | Style | Dimensions | Pinout |
| MQDEC-401SS | 0.31 m (1 ft) | | | Female |
| MQDEC-403SS | 0.91 m (3 ft) | Male Straight/Female Straight | | |
| MQDEC-406SS | 1.83 m (6 ft) | | | |
| MQDEC-412SS | 3.66 m (12 ft) | | | |
| MQDEC-420SS | 6.10 m (20 ft) | | | - |
| MQDEC-430SS | 9.14 m (30 ft) | | | Male |
| MQDEC-450SS | 15.2 m (50 ft) | | | |
| | | | | 1 = Brown 2 = White 3 = Blue 4 = Black |

| 4-Pin Threaded M12/Euro-Style Cordsets – Double Ended | | | | |
|---|----------------|--------------------------------------|---|--------|
| Model | Length | Style | Dimensions | Pinout |
| MQDEC-403RS | 0.91 m (1 ft) | Male Right-Angle/ Female Straight | 32 Typ. [1.26"] 30 Typ. [1.18"] 0 14.5 [0.57"] 44 Typ. [1.73"] M12 x 1 | |
| MQDEC-406RS | 1.83 m (3 ft) | | | |
| MQDEC-412RS | 3.66 m (12 ft) | | | |
| MQDEC-420RS | 6.10 m (20 ft) | | | |
| MQDEC-430RS | 9.14 m (30 ft) | | | |
| MQDEC-450RS | 15.2 m (50 ft) | | | |



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