EZ-LIGHT[®] Touch K30 Series Illuminated Multipurpose Buttons



Datasheet

General purpose multicolor indicator with independent momentary touch button output



- · Rugged, cost-effective, and easy-to-install multicolor indicator with touch button
- Waterproof IP69K construction for washdown environments
- Two independent colors in one unit—Color 2 overrides Color 1
- Available with PNP and NPN inputs/outputs, depending on model
- Ergonomically designed to eliminate hand, wrist, and arm stresses associated with repeated switch operation; require no physical force to operate
- Can be actuated with bare hands or in gloves
- 12 V dc to 30 V dc operation

Models

Model ¹	I/О Туре	Output State	Light Color 1 (Power Applied)	Light Color 2 (Input Active)	Connection
K30APTXRF2Q	PNP	N.O.	-	Red	Integral 4-pin M12/Euro- style male quick disconnect (QD)
K30APTXGF2Q			-	Green	
K30APTGRF2Q			Green	Red	
K30APTRGF2Q			Red	Green	
K30ANTXRF2Q	NPN		-	Red	
K30ANTXGF2Q			-	Green	
K30ANTGRF2Q			Green	Red	
K30ANTRGF2Q			Red	Green	

Wiring



Cabled wiring diagrams are shown. Quick disconnect (QD) wiring diagrams are functionally identical.

1 Integral QD models only are listed.

- To order the 4-pin 150 mm (5.9 in) Euro-style PVC pigtail models, replace suffix Q with QP in the model number (example, K30APTXRF2QP).
- To order the 2 m (6.5 ft) cable models, omit suffix Q from the model number (example, K30APTXRF2).
- A model with a QD requires a mating cable (see Cordsets).



0.8

0.5

Specifications

Supply Voltage Output Response Time 12 V dc to 30 V dc 150 milliseconds On and Off Supply Current Power-Up Delay 55 mA max current (exclusive of load) 300 milliseconds Supply/Output Protection Circuitry Connections Integral 4-pin M12/Euro-style male quick disconnect (QD); 2 m (6.5 ft) PVC integral cable; 150 mm (6 in) PVC cable with a 4-pin M12/Euro-style Protected against reverse polarity and transient voltages Output Rating male quick disconnect (QD) Maximum Load: 150 mA Construction ON-state saturation voltage: < 2 V dc at 10 mA; < 2.5 V dc at Housing: polycarbonate 150 mA OFF-state leakage current: <10 µA at 30 V dc Translucent dome: polycarbonate Mounting nut: PBT Mounting M22 × 1.5 Threaded base, max torque 2.25 N·m (20 in-lbf) Environmental Rating Required Overcurrent Protection IEC IP67, IP69K per DIN 40050-9. WARNING: Electrical connections must be Cabled models also meet IP69K if the cable and cable entrance are made by qualified personnel in accordance protected from high-pressure spray. with local and national electrical codes and Enclosure Type 4X, 13 regulations. **Operating Conditions** Temperature: -40 °C to +50 °C (-40 °F to +122 °F) Overcurrent protection is required to be provided by end product Humidity: 90% at +50 °C maximum relative humidity (nonapplication per the supplied table. condensing) Overcurrent protection may be provided with external fusing or via Current Limiting, Class 2 Power Supply. Storage Temperature Supply wiring leads < 24 AWG shall not be spliced. -40 °C to +70 °C (-40 °F to +158 °F) For additional product support, go to www.bannerengineering.com. Vibration and Mechanical Shock All models meet Mil. Std. 202F requirements method 201A (vibration: Supply Wiring (AWG) Required Overcurrent Protection (Amps) 10 Hz to 60 Hz max., double amplitude 0.06 in. maximum acceleration 10G). Also meets IEC 947-5-2; 30G 11 ms duration, half 20 5.0 sine wave. 22 3.0 Certifications 24 2.0 26 1.0

Dimensions

All measurements are listed in millimeters [inches], unless noted otherwise.

US LISTED



28

30

Accessories

Cordsets



Brackets



All measurements are listed in millimeters, unless noted otherwise.

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