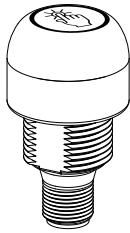


EZ-LIGHT® Touch K30 Series Illuminated Multipurpose Buttons



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 to 30V dc operation

Models

Model ¹	I/O Type	Output State	Light Color 1 (Power Applied)	Light Color 2 (Input Active)	Connection
K30APTXXRF2Q	PNP	N.O.	-	Red	Integral 4-pin Euro QD
K30APTXXGF2Q			-	Green	
K30APTGRF2Q			Green	Red	
K30APTRGF2Q			Red	Green	
K30ANTXXRF2Q	NPN		-	Red	
K30ANTXXGF2Q			-	Green	
K30ANTGRF2Q			Green	Red	
K30ANTRGF2Q			Red	Green	

Specifications

Supply Voltage

12 to 30V dc

Supply Current

55 mA max current (exclusive of load)

Supply Protection Circuitry

Protected against reverse polarity and transient voltages

Output Rating

Maximum Load: 150 mA

ON-state saturation voltage: < 2V at 10 mA dc; < 2.5V at 150 mA dc

OFF-state leakage current <10 µA at 30V dc

Output Response Time

150 milliseconds ON and OFF

Power-Up

Device requires 300 milliseconds to start up

Connections

4-pin integral Euro-style QD, 2 m (6.5 ft) PVC integral cable, or 4-pin

150 mm (5.9 in) Euro-style PVC pigtail QD

Environmental Rating

IEC IP67, IP69K per DIN 40050-9. Cabled models also meet IP69K if the cable and cable entrance are protected from high-pressure spray.

Operating Conditions

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

Humidity: 90% at +50 °C maximum relative humidity (non-condensing)

Storage Temperature

-40 °C to +70 °C (-40 °F to +158 °F)

Construction

Housing: polycarbonate

Translucent dome: polycarbonate

Mounting Nut: PBT

Mounting

M22 × 1.5 Threaded base, max torque 2.25 Nm (20 in-lbf)

Vibration and Mechanical Shock

All models meet Mil. Std. 202F requirements method 201A (vibration: 10 to 60 Hz max., double amplitude 0.06 in. maximum acceleration 10G). Also meets IEC 947-5-2; 30G 11 ms duration, half sine wave.

Certifications



¹ Integral QD models only are listed.

• For 4-pin 150 mm (5.9 in) Euro-style PVC pigtail, replace suffix **Q** with **QP** in the model number (example, **K30APTXXRF2QP**).

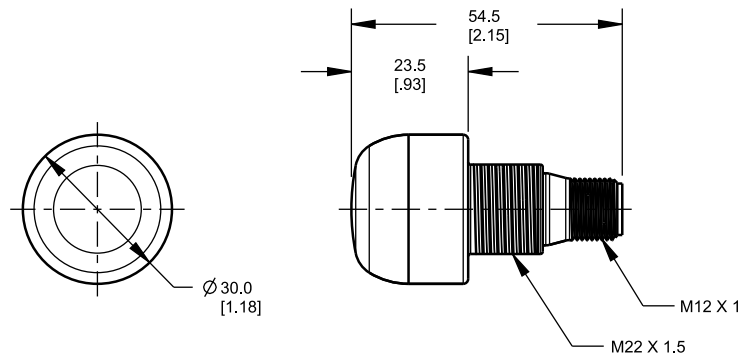
• For 2 m (6.5 ft) cable, omit suffix **Q** from the model number (example, **K30APTXXRF2**).

• A model with a QD requires a mating cable (see [Cordsets](#) on page 2).



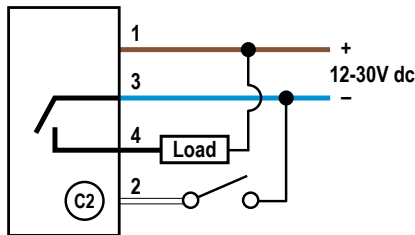
Dimensions

All measurements are listed in millimeters (inches).

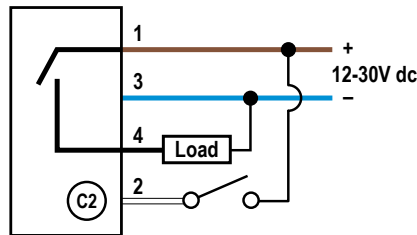


Hookups

NPN (Sinking) Output Models



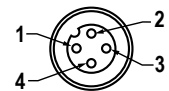
PNP (Sourcing) Output Models



Wiring Key

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

Pinout



Accessories

Cordsets

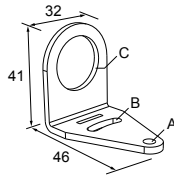
4-Pin Threaded M12/Euro-Style Cordsets				
Model	Length	Style	Dimensions	Pinout
MQDC-406	1.83 m (6 ft)	Straight		
MQDC-415	4.57 m (15 ft)			
MQDC-430	9.14 m (30 ft)			
MQDC-450	15.2 m (50 ft)			
MQDC-406RA	1.83 m (6 ft)	Right-Angle		<ul style="list-style-type: none"> 1 = Brown 2 = White 3 = Blue 4 = Black
MQDC-415RA	4.57 m (15 ft)			
MQDC-430RA	9.14 m (30 ft)			
MQDC-450RA	15.2 m (50 ft)			

Brackets

All measurements are listed in millimeters.

SMB22A

- Right-angle bracket with curved slot for versatile orientation
- 12-ga. stainless steel
- Mounting hole for 22 mm sensor

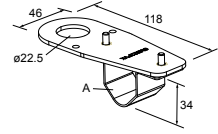


Hole center spacing: A to B = 26.0

Hole size: A = \varnothing 4.6, B = 4.6 x 16.9, C = 22.2

SMB22FVK

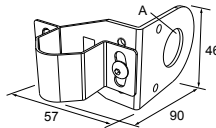
- V-clamp, flat bracket and fasteners for mounting to pipe or extensions
- Clamp accommodates 28 mm diameter tubing or 1 in. square extrusions
- 22 mm hole for mounting sensor



Hole size: A = \varnothing 22.5

SMB22RAVK

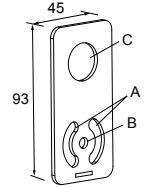
- V-clamp, right-angle bracket and fasteners for mounting to pipe or extensions
- Clamp accommodates 28 mm diameter tubing or 1 in. square extrusions
- 22 mm hole for mounting sensor



Hole size: A = \varnothing 22.5

SMBAMS22P

- Flat SMBAMS series bracket with 22 mm hole for mounting sensors
- Articulation slots for 90+° rotation
- 12-ga. (2.6 mm) cold-rolled steel

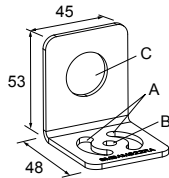


Hole center spacing: A = 26.0, A to B = 13.0

Hole size: A = 26.8 x 7.0, B = \varnothing 6.5, C = \varnothing 22.5

SMBAMS22RA

- Right-angle SMBAMS series bracket with 22 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 = \varnothing 6.5, C = \varnothing 22.5

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