



K50 Pro Touch Button Product Manual

Original Instructions

p/n: 240396 Rev. C

05-Jun-25

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Chapter 1

Features



- Bright, uniform touch button
- Three default colors in one device (Green, Red, Yellow)
- Programmable using Banner's Pro Editor software and Pro Converter Cable
- Translucent polycarbonate dome
- Rugged IP66, IP67, IP69K per ISO 20653 and UL Type 4X and UL Type 13 design
- Bimodal inputs and output (PNP/NPN), depending on source wiring
- Excellent immunity to false triggering by water spray, detergents, oils, and other foreign materials
- Devices are completely self-contained—no controller needed
- Ergonomically designed to eliminate hand, wrist, and arm stresses associated with repeated switch operation; no physical force required to operate
- Can be actuated with bare hands or gloves; sensitivity can be adjusted using Pro Editor software

Models

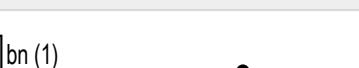
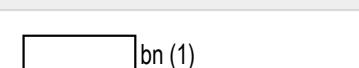
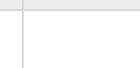
Model Name	Style	Color and Input	Connector ⁽¹⁾
K50	PST	GRY3	Q
	PST = Programmable touch button	GRY3 = RGB Multicolor (3 colors, 5-pin) RGB14 = RGB Multicolor (14 colors, 8-pin)	Q = Integral 5-pin or 8-pin M12 male quick-disconnect connector

⁽¹⁾ Models with a quick-disconnect connector require a mating cordset.

Chapter Contents

Wiring

GRY3 Wiring Diagrams

NPN	PNP	Pinout
		 <p>Pin 4 (Black) is Output 1. Touch actuation toggles the output.</p>

GRY3 Multicolor Color/Function Definition

	Green	Yellow	Red
Input 1	X	X	
Input 2		X	X

RGB14 Wiring Diagrams

NPN	PNP	Pinout

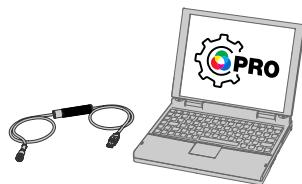
RGB14 Multicolor Color/Function Definition

	Red	Yellow	Green	Cyan	Blue	Magenta	White	Amber	Rose	Lime Green	Orange	Sky Blue	Violet	Spring Green
Input 1	X	X				X	X		X		X		X	
Input 2		X	X	X			X			X	X			X
Input 3				X	X	X	X					X	X	X
Input 4								X	X	X	X	X	X	X

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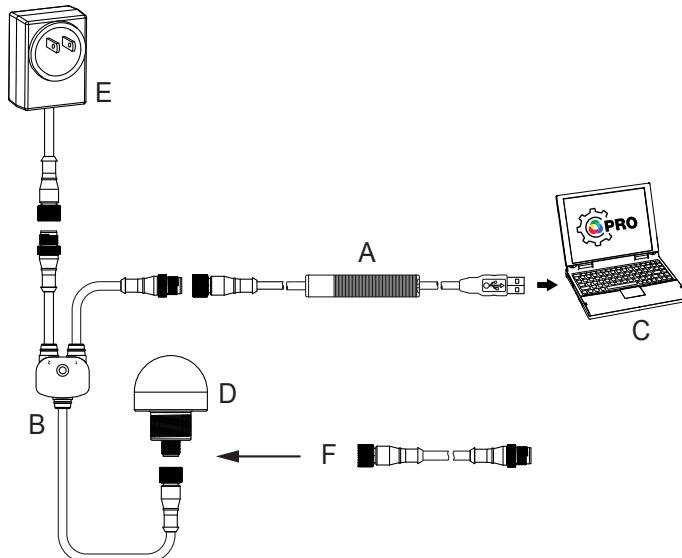
Chapter 3 Pro Editor



Use Banner's Pro Editor software and Pro Converter Cable to create custom configurations by selecting different colors, flash patterns, and animations. For more information visit www.bannerengineering.com/proeditor.

Full Preview Connection (Required)

The full preview connection must be used for the K50 Pro Touch Button.



A = Pro Converter Cable (MQDC-506-USB)
 B = Splitter (CSB-M1251FM1251M)
 C = PC running Pro Editor software
 D = Any Banner Pro Series-enabled device (K50 shown)
 E = Power Supply (PSW-24-1, PSW-24-2, or PSD-24-4)
 F = 8-Pin to 5-Pin Double-Ended Cordset (MQDC-801-5M-PRO), required for 8-Pin models

K50 Pro Touch Button Pro Editor Program Options

Touch Devices

Touch devices have the following animations available to them:

Animations	Description
Off	Device or segment is off
Steady	Color 1 is on at the defined intensity
Flash	Color 1 flashes at the defined speed, color intensity, and pattern (normal, strobe, three pulses, SOS, or random)
Two Color Flash	Color 1 and Color 2 flash alternately at the defined speed, color intensities, and pattern (normal, strobe, three pulses, SOS, or random)
50/50	Color 1 displays on 50% and Color 2 displays on the other 50% statically at the defined color intensities

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Continued from page 5

Animations	Description
50/50 Rotate	Color 1 displays on 50% and Color 2 displays on the other 50% while rotating at the defined speed, color intensities, rotational direction
Chase	Color 1 is displayed as a single spot against the background of Color 2 while rotating at the defined speed, color intensities, rotational direction
Intensity Sweep	Color 1 continuously increases and decreases intensity between 0% to 100% on each device or on every segment at the defined speed and color intensity
Demo	Demo sequence cycles through several sets of colors and configurations to highlight example applications

When a touch device is connected, **Device Logic Mode** configuration displays.

By default, when a touch device is connected, Pro Editor opens **Device Logic Mode** configuration populated with the configuration written to the device. If no device logic mode is selected, use the **Device Logic Mode** drop-down to select a logic mode, then write the configuration to the device. Three **Device Logic Modes** are available:

- Four State Full Logic
- Three State Advanced Control
- Seven State Advanced Control

Device Logic Mode – Four State Full Logic

When using Four State Full Logic, four device states are activated by one input wire and the touch button. The touch button also toggles the output(s).

Assuming power is on using the blue and brown wires:

State 1: Input Inactive, Touch Inactive

State 2: Input Active, Touch Inactive

State 3: Input Inactive, Touch Active

State 4: Input Active, Touch Active

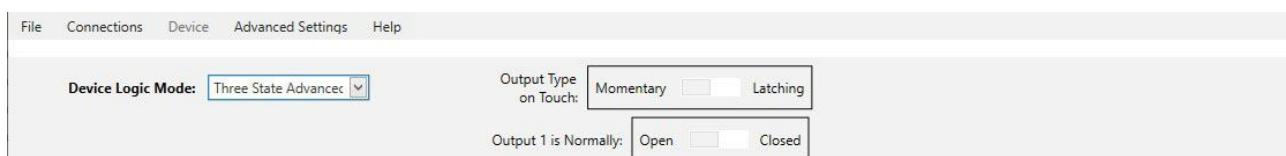
Logic Table			Wiring Diagram	
Four State Full Logic	Not Actuated	Actuated		
No Input	State 1	State 3		
Input 1	State 2	State 4		

Preview	Device State	Animation	Color 1	Intensity 1	Color 2	Intensity 2	Speed	Pattern	Direction
Start	State 1	Steady		Hi					
Start	State 2 (WH)	Steady		Hi					
Start	State 3 (Touch)	Steady		Hi					
Start	State 4 (WH & Touch)	Steady		Hi					

Read Device Settings Write Device Settings

Device Logic Mode – Three State Advanced Control

When using Three State Advanced Control, four device states are activated by two input wires. The touch button toggles the output(s) with no device state change.

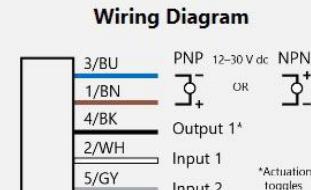


Logic Table

Three State Advanced Control

Actuation Toggles Output
Two Inputs Activate States
See Device States Below

Wiring Diagram



3/BU PNP 12-30 V dc NPN
1/BN OR
4/BK Output 1*
2/WH Input 1
5/GY Input 2

State Definitions

Preview	Device State	Animation	Color 1	Intensity 1	Color 2	Intensity 2	Speed	Pattern	Direction
Start	Power	Steady		Hi		Hi			
Start	WH	Steady		Hi		Hi			
Start	GY	Steady		Hi		Hi			
Start	WH & GY	Steady		Hi		Hi			

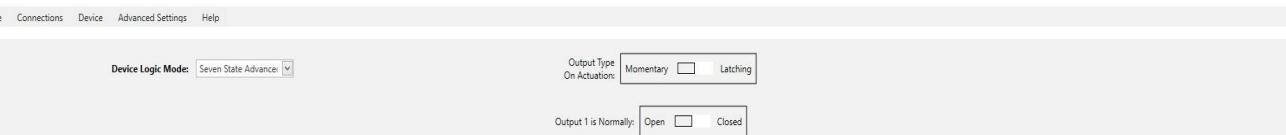
Read Device Settings Write Device Settings

Device Logic Mode – Seven State Advanced Control

NOTE: Seven State Advanced Control is only available on 8-pin models.

When using Seven State Advanced Control, seven device states are activated by three input wires. An additional power state can be defined. The touch button toggles the output(s) with no device state change.

Voltage values shown in wiring diagrams vary depending on the connected device.

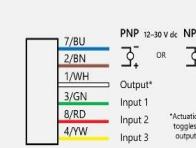


Logic Table

Seven State Advanced Control

Actuation Toggles Output
Three Inputs Activate States
See Device States Below

Wiring Diagram



7/BU PNP 12-30 V dc NPN
2/BN OR
1/WH Output*
3/GN Input 1
8/RD Input 2
4/W Input 3

State Definitions

Preview	Device State	Animation	Color 1	Intensity 1	Color 2	Intensity 2	Speed	Pattern	Direction	Color1%
Start	Power	Off								
Start	GN	Steady		Hi		Hi				
Start	RD	Steady		Hi		Hi				
Start	YW	Steady		Hi		Hi				
Start	GN & RD	Steady		Hi		Hi				
Start	GN & YW	Steady		Hi		Hi				
Start	RD & YW	Steady		Hi		Hi				
Start	GN & RD & YW	Steady		Hi		Hi				

Read Device Settings Write Device Settings

Global Parameters and Advanced Settings

When connected to the K50 Pro Touch Button device, the following global parameters appear in the configuration display.

K50 Pro Touch Button Global Parameters – Pro Editor

Output Type on Touch: Momentary Latching

Output 1 is Normally: Open Closed

K50 Pro Touch Button Parameter	Description
Output Type on Touch	In Momentary mode, the output only toggles while the touch button is touched. In Latching mode, the output toggles each time the touch button is pressed. ⁽²⁾
Output 1 is Normally	In Open mode, output 1 is turned ON with touch input. In Closed mode, output 1 is turned OFF with touch input.

When an actuator device is connected, the following **Advanced Settings** can be accessed by clicking on the **AdvancedSettings** menu.

K50 Pro Touch Button Advanced Settings – Pro Editor

Advanced Settings –

Touch "On" Delay (ms):

Touch "Off" Delay (ms):

Touch Sensitivity:

Remember Touch State on Power Loss: Off On

K50 Pro Touch Button Setting	Description
Touch "On" Delay (ms)	The length of time the touch button needs to be pressed to trigger "touch active" state.
Touch "Off" Delay (ms)	The length of time before the device returns to "touch inactive" state after the touch button is released.
Touch Sensitivity	The touch button is easily toggled in High mode, and resists unintentional toggling in Low mode.
Remember Touch State on Power Loss	When the Global Parameter Output Type on Touch is set to Latching the Remember Touch State on Power Loss setting, determines whether touch state should be reset or retained when power is restored. When ON the touch state will be retained when power to the device is lost. When OFF the touch state will be reset when power to the device is lost.

⁽²⁾ When **Output Type on Touch** is set to Latching mode, output state and device state transitions both occur on the leading edge of touch input.

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Chapter 4

Specifications

Supply Voltage and Current

10 V DC to 30 V DC

- 220 mA at 10 V DC (exclusive of load)
- 190 mA at 12 V DC (exclusive of load)
- 115 mA at 24 V DC (exclusive of load)
- 100 mA at 30 V DC (exclusive of load)

Supply Protection Circuitry

Protected against transient voltages and output short-circuit

Leakage Current Immunity400 μ A**Touch Dwell Time**

If touch dwells for longer than 60 seconds, the output will revert to the untouched state

Vibration and Mechanical Shock

Meets IEC 60068-2-6 requirements (Vibration: 10 Hz to 55 Hz, 1.0 mm amplitude, 5 minutes sweep, 30 minutes dwell)

Meets IEC 60068-2-27 requirements (Shock: 30G 11 ms duration, half sine wave)

Operating Conditions

-40 °C to +50 °C (-40 °F to +122 °F)

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

Storage Temperature: -40 °C to +70 °C (-40 °F to +158 °F)

Environmental Rating

IP66, IP67, IP69K per ISO 20653

Connections

Integral 5-pin M12 male quick-disconnect connector or integral 8-pin M12 male quick-disconnect connector

Mounting

M30 by 1.5 threaded base, maximum torque 4.5 N·m (40 inch-lbf)

Mounting nut included

Construction

Base and Dome: Polycarbonate

Mounting Nut: Polybutylene terephthalate (PBT)

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

Certifications

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

**Output Ratings**

Maximum Load: 150 mA

ON-State Saturation Voltage:

< 2 V DC at 10 mA

< 2.5 V DC at 150 mA

OFF-State Leakage Current: < 10 μ A at 30 V DC

Output Response Time

Power-Up Delay: 500 milliseconds maximum

Input Response: 40 milliseconds maximum

Output Response: 300 milliseconds maximum

Default Indicator Characteristics

Color	Dominant Wavelength (nm) or Color Temperature (CCT)	Color Coordinates ⁽³⁾		Lumen Output Per Segment (Typical at 25 °C)
		X	Y	
Green	522	0.154	0.7	19.5
Red	620	0.689	0.309	10.3
Yellow	576	0.477	0.493	25.8
Blue	466	0.14	0.054	3.7
White	5700K	0.328	0.337	30.5
Cyan	493	0.17	0.34	22.1
Magenta	-	0.379	0.172	12.7
Amber	589	0.556	0.42	17.9
Rose	-	0.515	0.22	10.6
Lime Green	562	0.388	0.561	25.3
Sky Blue	486	0.155	0.247	17.8
Orange	599	0.616	0.37	14.3
Violet	-	0.217	0.089	7.1
Spring Green	508	0.177	0.536	20

FCC Part 15 Class B for Unintentional Radiators

(Part 15.105(b)) This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

(Part 15.21) Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Industry Canada ICES-003(B)

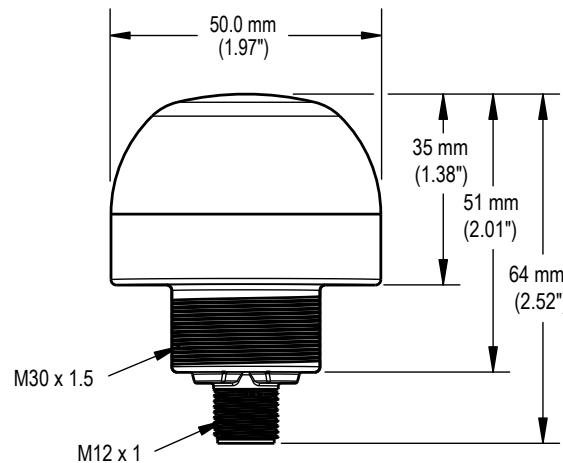
This device complies with CAN ICES-3 (B)/NMB-3(B). Operation is subject to the following two conditions: 1) This device may not cause harmful interference; and 2) This device must accept any interference received, including interference that may cause undesired operation.

Cet appareil est conforme à la norme NMB-3(B). Le fonctionnement est soumis aux deux conditions suivantes : (1) ce dispositif ne peut pas occasionner d'interférences, et (2) il doit tolérer toute interférence, y compris celles susceptibles de provoquer un fonctionnement non souhaité du dispositif.

⁽³⁾ Refer to CIE 1931 chromaticity diagram or color chart to show equivalent color with indicated color coordinates. Actual coordinates may differ by 10%.

Dimensions

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



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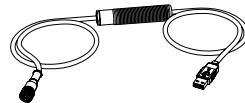
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Chapter 5 Accessories

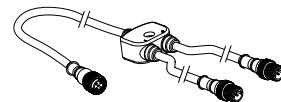
Pro Editor Hardware

MQDC-506-USB

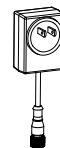
- Pro Converter Cable
- 1.83 m (6 ft) length 5-pin M12 quick disconnect to Device and USB to PC
- Required for connection to the configuration software

**CSB-M1251FM1251M**

- 5-pin parallel Y splitter (Male-Male-Female)
- For full Pro Editor preview capability
- Requires external power supply, sold separately

**PSW-24-1**

- 24 V DC, 1 A power supply
- 2 m (6.5 ft) PVC cable with M12 quick disconnect
- Provides external power with splitter cable, sold separately

**PSW-24-2**

- 24 V DC, 2 A power supply
- 3.5 m (11.5 ft) PVC cable with M12 quick disconnect
- Provides external power with splitter cable, sold separately

**MQDC-801-5M-PRO**

- 8-pin to 5-pin double-ended cordset
- 0.31 m (1 ft) PVC cable with M12 quick disconnects
- Required to connect 8-pin Pro Series-enabled devices to Pro Converter Cable (MQDC-506-USB), sold separately



Cordsets

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

5-pin Single-Ended M12 Female Cordsets				
Model	Length	Dimensions (mm)	Pinout (Female)	
BC-M12F5-22-1	1 m (3.28 ft)			
BC-M12F5-22-2	2 m (6.56 ft)			
BC-M12F5-22-5	5 m (16.4 ft)			
BC-M12F5-22-8	8 m (26.25 ft)			
BC-M12F5-22-10	10 m (30.81 ft)			
BC-M12F5-22-15	15 m (49.2 ft)			

5-pin A-Code Double-Ended M12 Female to M12 Male Cordsets				
Model	Length	Dimensions (mm)	Pinouts	
BC-M12F5-M12M5-22-1	1 m (3.28 ft)			
BC-M12F5-M12M5-22-2	2 m (6.56 ft)			
BC-M12F5-M12M5-22-5	5 m (16.4 ft)			
BC-M12F5-M12M5-22-8	8 m (26.25 ft)			
BC-M12F5-M12M5-22-10	10 m (30.81 ft)			
BC-M12F5-M12M5-22-15	15 m (49.2 ft)			

5-pin A-Code Double-Ended M12 Female Right-Angle to M12 Male Right-Angle Cordsets				
Model	Length	Dimensions (mm)	Pinouts	
BC-M12F5A-M12M5A-22-1	1 m (3.28 ft)			
BC-M12F5A-M12M5A-22-2	2 m (6.56 ft)			
BC-M12F5A-M12M5A-22-5	5 m (16.4 ft)			
BC-M12F5A-M12M5A-22-8	8 m (26.25 ft)			
BC-M12F5A-M12M5A-22-10	10 m (30.81 ft)			
BC-M12F5A-M12M5A-22-15	15 m (49.2 ft)			

8-pin Single-Ended M12 Female Shielded Cordsets				
Model	Length	Dimensions (mm)	Pinout (Female)	
BC-M12F8-24-1-SF	1 m (3.28 ft)			
BC-M12F8-24-2-SF	2 m (6.56 ft)			1 = White 2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red
BC-M12F8-24-5-SF	5 m (16.4 ft)			
BC-M12F8-24-8-SF	8 m (26.25 ft)			
BC-M12F8-24-10-SF	10 m (30.81 ft)			
BC-M12F8-24-15-SF	15 m (49.2 ft)			

8-pin Double-Ended M12 Female to M12 Male Cordsets				
Model	Length	Dimensions (mm)	Pinouts (Female)	Pinouts (Male)
BC-M12F8-M12M8-24-1	1 m (3.28 ft)			
BC-M12F8-M12M8-24-2	2 m (6.56 ft)			
BC-M12F8-M12M8-24-5	5 m (16.4 ft)			
BC-M12F8-M12M8-24-8	8 m (26.25 ft)			
BC-M12F8-M12M8-24-10	10 m (30.81 ft)			
BC-M12F8-M12M8-24-15	15 m (49.2 ft)		1 = White 2 = Brown 3 = Green 4 = Yellow	5 = Gray 6 = Pink 7 = Blue 8 = Red

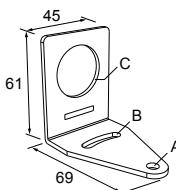
8-pin Double-Ended M12 Female Right-Angle to M12 Male Right-Angle Cordsets				
Model	Length	Dimensions (mm)	Pinouts (Female)	Pinouts (Male)
BC-M12F8A-M12M8A-24-1	1 m (3.28 ft)			
BC-M12F8A-M12M8A-24-2	2 m (6.56 ft)			
BC-M12F8A-M12M8A-24-5	5 m (16.4 ft)			
BC-M12F8A-M12M8A-24-8	8 m (26.25 ft)			
BC-M12F8A-M12M8A-24-10	10 m (30.81 ft)		1 = White 2 = Brown 3 = Green 4 = Yellow	5 = Gray 6 = Pink 7 = Blue 8 = Red
BC-M12F8A-M12M8A-24-15	15 m (49.2 ft)			

Brackets

SMB30A

- Right-angle bracket with curved slot for versatile orientation
- Clearance for M6 (1/4 in) hardware
- Mounting hole for 30 mm sensor
- 12-gauge stainless steel

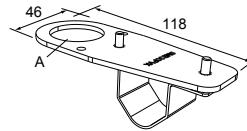
Hole center spacing: A to B=40
Hole size: A=Ø 6.3, B= 27.1 × 6.3, C=Ø 30.5



SMB30FVK

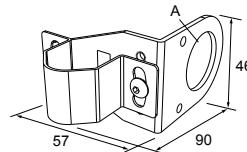
- V-clamp, flat bracket and fasteners for mounting to pipe or extensions
- Clamp accommodates 28 mm dia. tubing or 1 in. square extrusions
- 30 mm hole for mounting sensors

Hole size: A= \varnothing 31

**SMB30RAVK**

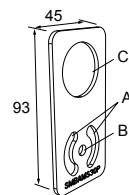
- V-clamp, right-angle bracket and fasteners for mounting sensors to pipe or extrusion
- Clamp accommodates 28 mm dia. tubing or 1 in. square extrusions
- 30 mm hole for mounting sensors

Hole size: A = \varnothing 30.5

**SMBAM30P**

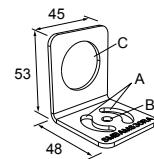
- Flat SMBAMS series bracket
- 30 mm hole for mounting sensors
- Articulation slots for 90°+ rotation
- 12-gauge 300 series stainless steel

Hole center spacing: A=26.0, A to B=13.0
Hole size: A=26.8 \times 7.0, B= \varnothing 6.5, C= \varnothing 31.0

**SMBAM30RA**

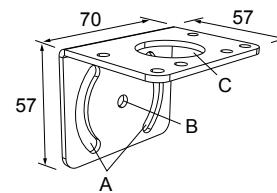
- Right-angle SMBAMS series bracket
- 30 mm hole for mounting sensors
- Articulation slots for 90°+ rotation
- 12-gauge (2.6 mm) cold-rolled steel

Hole center spacing: A=26.0, A to B=13.0
Hole size: A=26.8 \times 7.0, B= \varnothing 6.5, C= \varnothing 31.0

**SMB30MM**

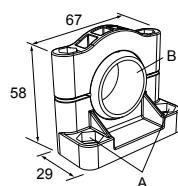
- 12-gauge stainless steel bracket with curved mounting slots for versatile orientation
- Clearance for M6 (1/4 in) hardware
- Mounting hole for 30 mm sensor

Hole center spacing: A = 51, A to B = 25.4
Hole size: A = 42.6 \times 7, B = \varnothing 6.4, C = \varnothing 30.1

**SMB30SC**

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

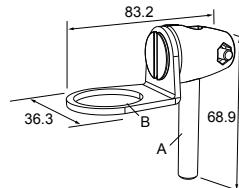
Hole center spacing: A= \varnothing 50.8
Hole size: A= \varnothing 7.0, B= \varnothing 30.0



SMB30FA

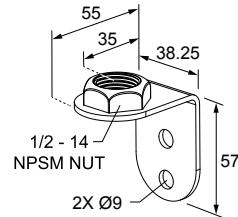
- Swivel bracket with tilt and pan movement for precise adjustment
- Mounting hole for 30 mm sensor
- 12-gauge 304 stainless steel
- Easy sensor mounting to extrude rail T-slot
- Metric- and inch-size bolt available

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

**LMBE12RA35**

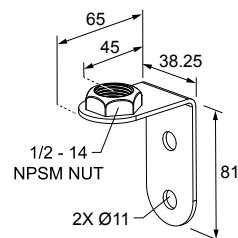
- Direct mounting of stand-off pipe, with common bracket type
- Zinc-plated steel
- 1/2-14 NPSM nut
- Mounting distance from the wall to the center of the 1/2-14 NPSM nut is 35 mm

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

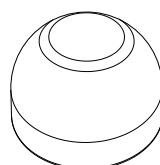


All measurements are listed in millimeters [inches], unless noted otherwise. The measurements provided are subject to change.

Wash-Down Cover

WC-K50T Washdown Cover

- FDA-grade silicone
- Fits K50 touch buttons
- IP67 and IP69K rated



Elevated Mount System

Model	Description	Components
SA-M30E12P - Black Acetal	<ul style="list-style-type: none"> • Streamlined black acetal stand-off pipe adapter/cover • Connects between 30 mm light base and 1/2 in. NPSM/ DN15 pipe • Mounting hardware included 	

Continued on page 17

Continued from page 16

Model		Description	Components
Black Anodized Aluminum	Clear Anodized Aluminum		
SOP-E12-150A	SOP-E12-150AC		
150 mm (6 in) long	150 mm (6 in) long		
SOP-E12-300A	SOP-E12-300AC		
300 mm (12 in) long	300 mm (12 in) long		
SOP-E12-600A	SOP-E12-600AC		
600 mm (24 in) long	600 mm (24 in) long		
SOP-E12-900A	SOP-E12-900AC		
900 mm (36 in) long	900 mm (36 in) long	<ul style="list-style-type: none"> Elevated-use stand-off pipe (½ in. NPSM/DN15) Polished 304 stainless steel, black anodized aluminum, or clear anodized aluminum surface ½ in. NPT thread at both ends: one end screws into the internal threads of the light's base, and one end screws into the mounting base adapter/cover Compatible with most industrial environments 	

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Chapter 6 Product Support and Maintenance

Clean with Mild Detergent and Warm Water

Wipe down the device with a soft cloth dampened with a mild detergent and warm water solution. Do not use any other chemicals for cleaning.

Repairs

Contact Banner Engineering for troubleshooting of this device. **Do not attempt any repairs to this Banner device; it contains no field-replaceable parts or components.** If the device, device part, or device component is determined to be defective by a Banner Applications Engineer, they will advise you of Banner's RMA (Return Merchandise Authorization) procedure.

IMPORTANT: If instructed to return the device, pack it with care. Damage that occurs in return shipping is not covered by warranty.

Contact Us

Banner Engineering Corp. headquarters is located at: 9714 Tenth Avenue North | Plymouth, MN 55441, USA | Phone: +1 888 373 6767

For worldwide locations and local representatives, visit www.bannerengineering.com.

Banner Engineering Corp Limited Warranty

Banner Engineering Corp. warrants its products to be free from defects in material and workmanship for one year following the date of shipment. Banner Engineering Corp. will repair or replace, free of charge, any product of its manufacture which, at the time it is returned to the factory, is found to have been defective during the warranty period. This warranty does not cover damage or liability for misuse, abuse, or the improper application or installation of the Banner product.

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