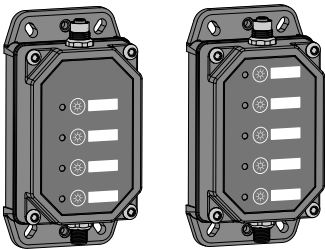




Features



- Rugged, cost-effective, and easy-to-install Andon Control Box
- Integral three, four, or five capacitive touch button controller with programmable LEDs and discrete outputs
- Programmable using Banner's Pro Editor software and Pro Converter Cable
- Two M12 connectors for added Andon application flexibility and easy installation
- Up to five discrete outputs available to pass up to a total of 4 amps

Models

Model Name	Activation Method	Number of Touch Buttons	Connector
LCA130T3Q	Touch	3 Buttons	Input: Integral 5-pin M12 male quick-disconnect connector Output: Integral 5-pin M12 female quick-disconnect connector
LCA130T4Q		4 Buttons	
LCA130T5Q		5 Buttons	Input: Integral 5-pin M12 male quick-disconnect connector Output: Integral 8-pin M12 female quick-disconnect connector

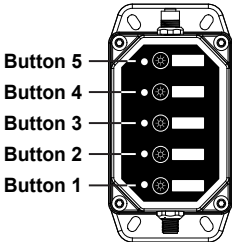
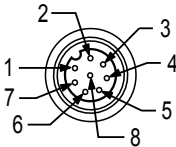
Switch Diagram

Tap or press-to-hold one or more of the buttons to activate a programmed color and animation function.

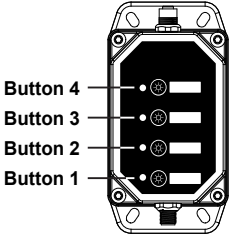
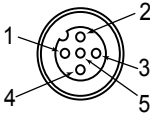
Input Pinout - All Models

5-pin M12 Male Connector	Pin	Wire Color	Wiring Description
	1	Brown (bn)	18 V DC to 30 V DC
	2	White (wh)	Not used
	3	Blue (bu)	DC common (GND)
	4	Black (bk)	Not used
	5	Gray (gy)	Use to configure with the Pro Editor Configuration software

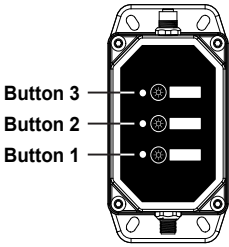
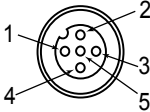
Output Pinout - 5-Button Switch Control

5-Button Switch Control	8-pin M12 Female Connector	Pinout Key
		Pin 1 = Button 3 Pin 2 = Button 4 Pin 3 = Not used Pin 4 = Button 1 Pin 5 = Button 2 Pin 6 = Button 5 Pin 7 = DC common Pin 8 = Not used

Output Pinout - 4-Button Switch Control

4-Button Switch Control	5-pin M12 Female Connector	Pinout Key
		Pin 1 = Button 2 Pin 2 = Button 3 Pin 3 = DC common Pin 4 = Button 1 Pin 5 = Button 4

Output Pinout - 3-Button Switch Control

3-Button Switch Control	5-pin M12 Female Connector	Pinout Key
		Pin 1 = Button 2 Pin 2 = Button 3 Pin 3 = DC common Pin 4 = Button 1 Pin 5 = Not used

Specifications

Supply Voltage and Current

18 V DC to 30 V DC
50 mA maximum current at 18 V DC (exclusive of load)

Supply Protection Circuitry

Protected against transient voltages

Response Time

Power-Up Delay: 500 milliseconds maximum
Input Response: 40 milliseconds maximum
Output Response: 300 milliseconds maximum

Output Rating

4A maximum load (combined or on a single output)

Connections

Models with a quick disconnect require a mating cordset

Construction

Polycarbonate

Vibration and Mechanical Shock

Meets IEC 60068-2-6 requirements (Vibration: 10 Hz to 55 Hz, 0.5 mm amplitude, 5 minutes sweep, 30 minutes dwell)
Meets IEC 60068-2-27 requirements (Shock: 15G 11 ms duration, half sine wave)

Pro Editor Configuration

Connection to Pro Editor software enables control of:

- **Animation:** Off, Steady, Flash, Two Color Flash
- **Color:** Green, Red, Yellow, Blue, Cyan, Magenta, Amber, Rose, Lime Green, Orange, Sky Blue, Violet, Spring Green
- **Intensity:** Off, Low, Medium, High
- **Speed:** Slow, Standard, Fast
- **Pattern:** Normal, Strobe, 3-Pulse, SOS, Random

Pro Converter Cable required to interface between PC and indicator, see Accessories

Operating Conditions

-40 °C to +50 °C (-40 °F to +122 °F)
95% at +50 °C maximum relative humidity (non-condensing)

Environmental Rating

IP65

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

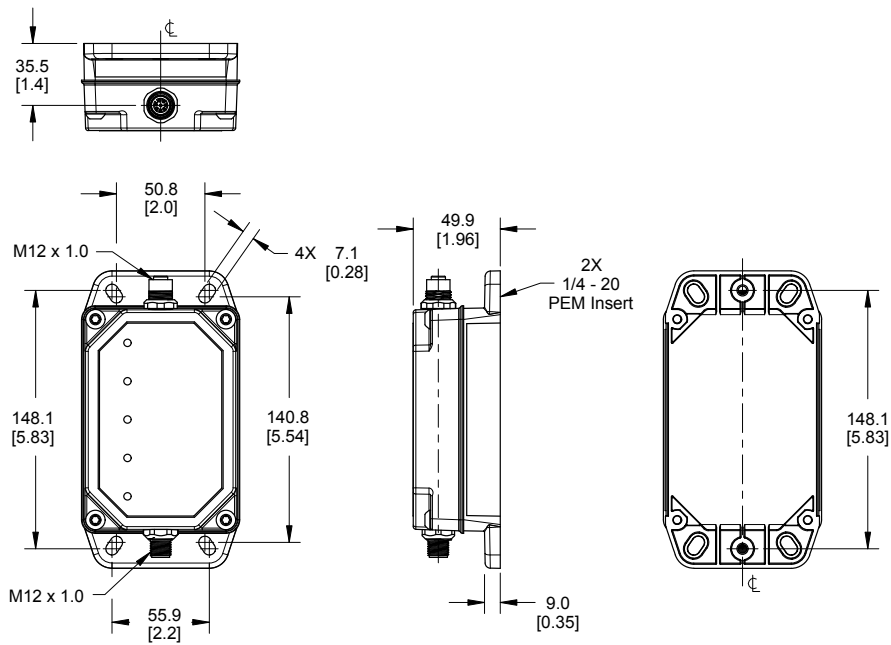


Turck Banner LTD Blenheim House
Blenheim Court
Wickford, Essex SS11 8YT
GREAT BRITAIN



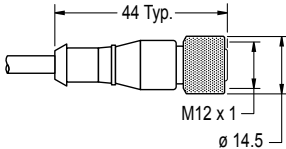
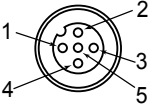
Dimensions

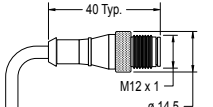
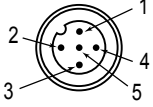
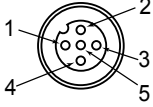
All measurements are listed in millimeters [inches], unless noted otherwise.



Accessories

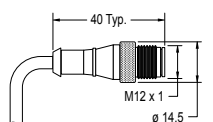
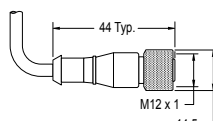
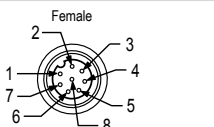
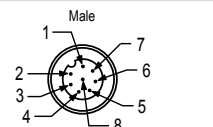
Cordsets

5-Pin Threaded M12 Cordsets—Single Ended					
Model	Length	Style	Dimensions	Pinout (Female)	
MQDC1-501.5	0.5 m (1.5 ft)	Straight		 1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray	
MQDC1-503	0.9 m (2.9 ft)				
MQDC1-506	2 m (6.5 ft)				
MQDC1-515	5 m (16.4 ft)				
MQDC1-530	9 m (29.5 ft)				
MQDC1-560	18 m (59 ft)				
MQDC1-5100	31 m (101.7 ft)				

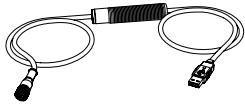
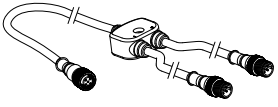
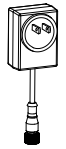
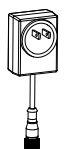
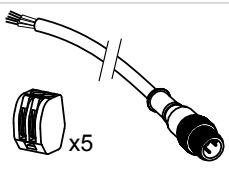

5-Pin Threaded M12 Cordsets—Double Ended					
Model	Length	Style	Dimensions	Pinout (Male)	Pinout (Female)
MQDEC-501SS	0.31 m (1.02 ft)	Male Straight/Female Straight			
MQDEC-503SS	0.91 m (2.99 ft)			1 = Brown 2 = White 3 = Blue	4 = Black 5 = Gray
MQDEC-506SS	1.83 m (6 ft)				
MQDEC-512SS	3.66 m (12 ft)				
MQDEC-515SS	5 m (16.4 ft)				
MQDEC-530SS	9 m (29.5 ft)				

Continued from page 3

5-Pin Threaded M12 Cordsets—Double Ended					
Model	Length	Style	Dimensions	Pinout (Male)	Pinout (Female)
MQDEC-550SS	15 m (49.2 ft)				

8-Pin Threaded M12 Cordsets—Double Ended					
Model	Length	Style	Dimensions		Pinout
MQDEC1-803SS	1 m (3.28 ft)	Male Straight / Female Straight			<div>1 = White</div> <div>2 = Brown</div> <div>3 = Green</div> <div>4 = Yellow</div> <div>5 = Gray</div> <div>6 = Pink</div> <div>7 = Blue</div> <div>8 = Red</div>
MQDEC1-806SS	2 m (6.56 ft)				
MQDEC1-810SS	3 m (9.84 ft)				
MQDEC1-815SS	5 m (16.4 ft)				
MQDEC1-830SS	9 m (29.5 ft)				
MQDEC1-850SS	15 m (49.2 ft)				
MQDEC1-8100SS	30.5 m (100 ft)				
MQDEC1-8200SS	61 m (200 ft)				

Pro Editor Hardware

<p>MQDC-506-USB</p> <ul style="list-style-type: none">Pro Converter Cable1.83 m (6 ft) length 5-pin M12 quick disconnect to Device and USB to PCRequired for connection to the configuration software	
<p>CSB-M1251FM1251M</p> <ul style="list-style-type: none">5-pin parallel Y splitter (Male-Male-Female)For full Pro Editor preview capabilityRequires external power supply, sold separately	
<p>PSW-24-1</p> <ul style="list-style-type: none">24 V DC, 1 A power supply2 m (6.5 ft) PVC cable with M12 quick disconnectProvides external power with splitter cable, sold separately	
<p>PSW-24-2</p> <ul style="list-style-type: none">24 V DC, 2 A power supply3.5 m (11.5 ft) PVC cable with M12 quick disconnectProvides external power with splitter cable, sold separately	
<p>ACC-PRO-CABLE5</p> <ul style="list-style-type: none">Mating accessory for cabled and terminal models150 mm (6 inch) PVC cable with M12 quick disconnectLever wire nuts included (qty 5)Required to connect cabled models and screw terminal models to Pro Converter Cable, sold separately	
<p>MQDC-801-5M-PRO</p> <ul style="list-style-type: none">8-pin to 5-pin double-ended cordset0.31 m (1 ft) PVC cable with M12 quick disconnectsRequired to connect 8-pin Pro Series-enabled devices to Pro Converter Cable (MQDC-506-USB), sold separately	

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<p>Document title: LCA130T Lighting Controller Datasheet Part number: 232673 Revision: C Original Instructions © Banner Engineering Corp. All rights reserved.</p>	 232673
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