

Andon Light Control Boxes

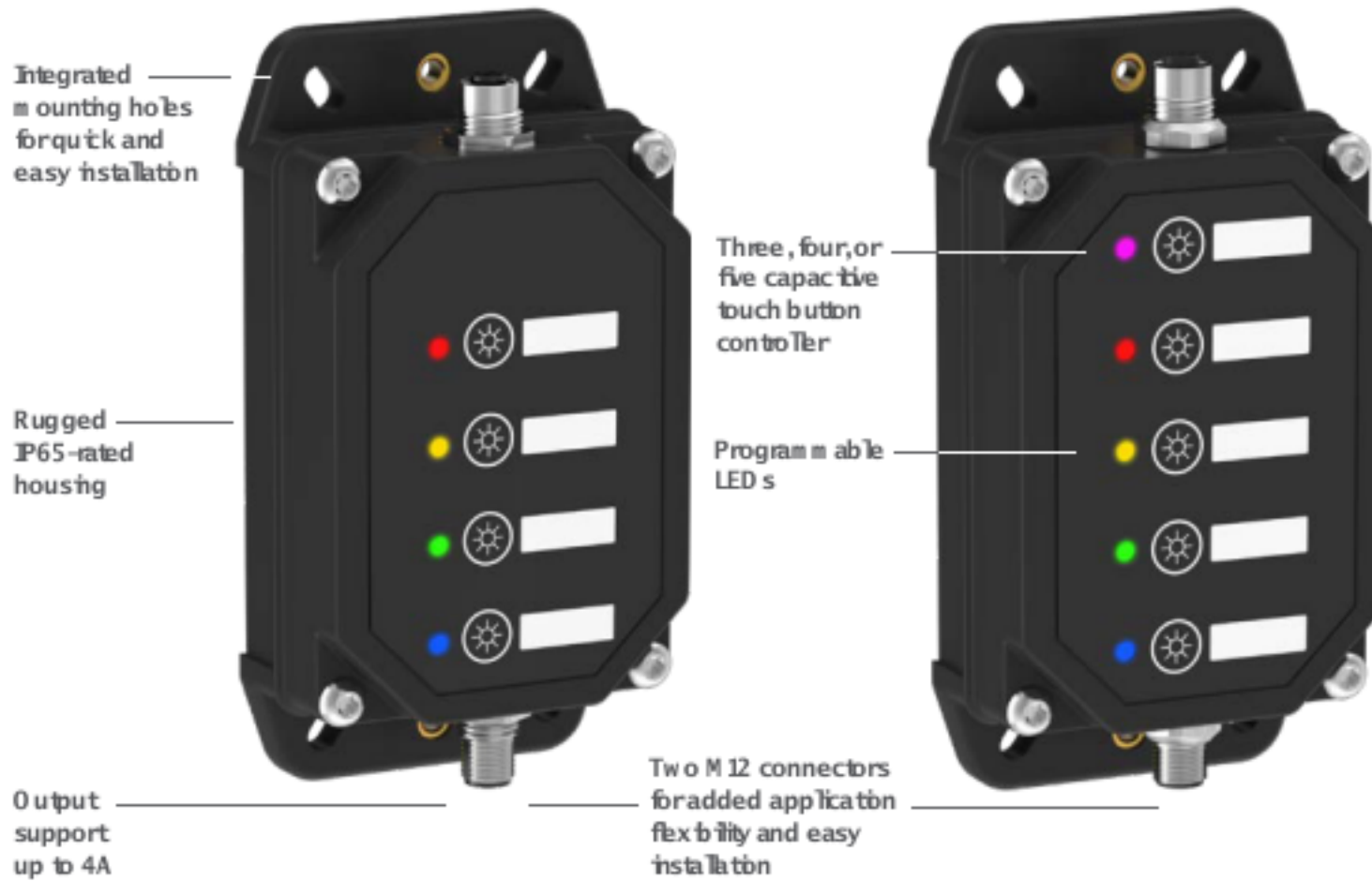


Easy Control Andon Lights And Remotely Monitor Their Status

- Make informed decisions that boost productivity by using data collected from ID-Link and wireless models to pinpoint delays and performance issues
- Customize status LED colors, flashing, and intensity settings to enhance operator interaction in assembly, workstation, and other manufacturing applications
- Minimize the connected light's status for added indication with programmed status LEDs
- Reduce installation time with plug-and-play M12 connections that do not require hard-wiring
- Depend on long-lasting durability provided by the IP65-rated design and capacitive touch buttons that eliminate moving parts
- Support a variety of lights with the LCA B0T's 4-Amp rated outputs, allowing users to select the ideal light for the application



Improve Productivity and Efficiency



IO-Link™

IO-Link models enable users to configure the LEDs and button functionality remotely, as well as monitor andon light status.



Configure the LEDs and button functionality with Banner's Pro Editor PC software. Simply connect the LCA BOT to your computer via the PRO-KIT cable (see accessories section), build your configuration, and send it to the LCA BOT.



Visually Communicate Workstation Status

Challenge

Workers operating horizontal bar CNC lathes faced communication challenges due to the machines' large size and noisy environment. It was hard to determine whether a machine was out of materials, in need of maintenance, or fully operational from a distance. Additionally, labor shortages and extended downtimes exacerbated the need for a solution to improve visibility.

Solution

Operators installed a LCA BOT Andon Control Box with a wireless radio and a multicolor andon light on each CNC machine. Data collected from the control box was sent to a central location in which managers could monitor workstation performance remotely. Quick touches on the control box allowed for rapid status updates, such as turning the andon light red to indicate that a machine was not in operation. This setup provided clear, at-a-glance status indication, reducing downtime and increasing overall efficiency.

Compatible Products _____



TL50 Pro Select
Tower Lights



TL70 Tower Lights



CL50 Multicolor
Column Lights



K90 Pro Multicolor
Indicators



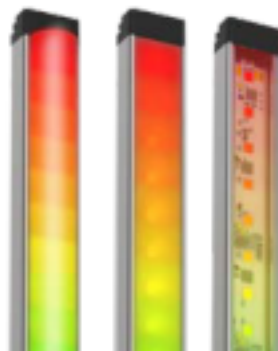
K100 Indicators



WLS27 LED Strip Lights



WLS28 LED
Strip Lights



WLS28 Pro LED
Strip Lights

*Compatible with other Banner lighting products.
Contact your local Banner representative for more details.

Andon Control Boxes with Discrete I/O and IO-Link

Series	Activation Method	Number of Touch Inputs	Control	Input Connection
LCA130	T	4	K	Q
	T = Touch	3 4 5	Blank = Discrete I/O K = IO-Link	Q = 5-pin M12 integral male quick-disconnect 6-pin female output for 4 input, 8-pin female output for 5 input QD models require mating cord set

Andon Control Boxes with Wireless Monitoring and Control

Series	Activation Method	Number of Touch Inputs	Frequency	Input Connection
LCA130	T	4	DXN2	Q
	T = Touch	3 4 5	DXN2 = 2.4 GHz ISM band DXN9 = 900 MHz ISM band	Q = 4-pin M12 integral male quick-disconnect input 5-pin M12 integral female quick-disconnect output 6-pin female output for 4 input, 8-pin female output for 5 input QD models require mating cord set

Specifications

	<table><tr><td>Supply Voltage</td><td>18 to 30 V DC</td></tr><tr><td>Construction</td><td>Polycarbonate</td></tr><tr><td>Operating Conditions</td><td>-40 to +50 °C (-40 to +122 °F)</td></tr><tr><td>Environmental Rating</td><td>P65</td></tr><tr><td>Certifications</td><td>CE, UL LISTED, UKCA</td></tr></table>	Supply Voltage	18 to 30 V DC	Construction	Polycarbonate	Operating Conditions	-40 to +50 °C (-40 to +122 °F)	Environmental Rating	P65	Certifications	CE, UL LISTED, UKCA
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Accessories

 M12 Cordset Straight connector models listed; for right angle models, add RA to the end of model number (example: MQDC-406RA)	<table><tr><td>4-Pin</td><td>5-Pin</td></tr><tr><td>MQDC-406 2 m (6.5')</td><td>MQDC1-506 2 m (6.5')</td></tr><tr><td>MQDC-415 5 m (16')</td><td>MQDC1-515 5 m (16')</td></tr><tr><td>MQDC-430 9 m (30')</td><td>MQDC1-530 9 m (30')</td></tr></table>	4-Pin	5-Pin	MQDC-406 2 m (6.5')	MQDC1-506 2 m (6.5')	MQDC-415 5 m (16')	MQDC1-515 5 m (16')	MQDC-430 9 m (30')	MQDC1-530 9 m (30')	 DXM1200-X2 wireless gateway	 PSW-24-1 24 V DC, 1A power supply	 DXMR90-4K IO-Link master				
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 M12 Double-ended Cordset Straight connector models	<table><tr><td>4-Pin</td><td>5-Pin</td><td>8-Pin</td></tr><tr><td>MQDEC-406SS 2 m (6')</td><td>MQDEC-506SS 2 m (6')</td><td>MQDEC1-806SS 2 m (6')</td></tr><tr><td>MQDEC-412SS 3.6 m (12')</td><td>MQDEC-512SS 3.6 m (12')</td><td>MQDEC1-815SS 5 m (16.4')</td></tr><tr><td>MQDEC-430SS 9 m (30')</td><td>MQDEC-530SS 9 m (30')</td><td>MQDEC1-830SS 9 m (30')</td></tr></table>	4-Pin	5-Pin	8-Pin	MQDEC-406SS 2 m (6')	MQDEC-506SS 2 m (6')	MQDEC1-806SS 2 m (6')	MQDEC-412SS 3.6 m (12')	MQDEC-512SS 3.6 m (12')	MQDEC1-815SS 5 m (16.4')	MQDEC-430SS 9 m (30')	MQDEC-530SS 9 m (30')	MQDEC1-830SS 9 m (30')		 Pro Editor Accessories PSW-24-1 Power Supply CSB-M1251FM1251M Splitter MQDC-506-USB Pro Converter Cable	
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