LC80 EZ-LIGHT® Controller

Datasheet

For Operator-Controlled Activation of EZ-LIGHT Products



- Manually operated controllers for Andon, call-for-parts and machine status indication
- For use with PNP input EZ-LIGHTS
- Models available with toggle switches or rotary switch
- Versatile mounting options
- The toggle switch model can control up to 5 indicators simultaneously

WARNING: Not To Be Used for Personnel **Protection**

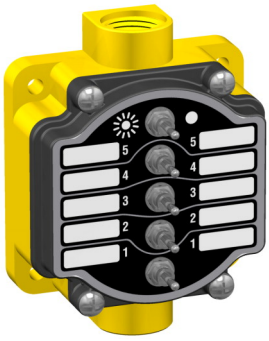
Never use this device as a sensing device for personnel **protection.** Doing so could lead to serious injury or death. This device does not include the self-checking redundant circuitry necessary to allow its use in personnel safety applications. A sensor failure or malfunction can cause either an energized or de-energized sensor output condition.

Models

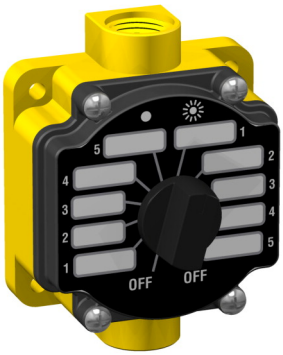
Model	**Description**	Switch **Function**
LC80T	5 toggle switches	ON-OFF-FLASH
LC80R	12 position rotary switch	

Switch **Positions** and **Function**

Toggle switch models: the middle switch position turns the corresponding color OFF.



Rotary switch models: the two OFF positions turn the indicator OFF.



Switch	Color	**Function**	
		☀	●
1	1	Flash	ON Steady
2	2		
3	3		
4	4		
5	5		

DIP Switch **Settings** for Flash Rates

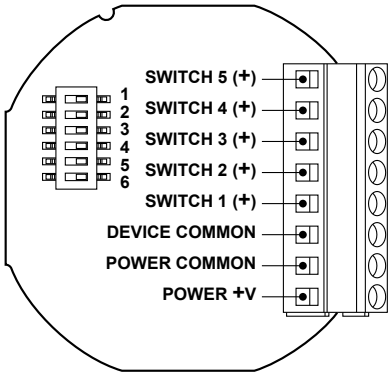
Some microprocessor-controlled EZ-LIGHTs have a delayed startup and are not fully compatible with flash rates listed. Consult Banner Engineering for more information.

DIP switch positions refer to the toggle switch model, unless otherwise indicated.

DIP Switch **Position**						ON Time (seconds)	OFF Time (seconds)
SW 1	SW 2	SW 3	SW 4	SW 5	SW 6		
OFF	OFF	NA	OFF	OFF	NA	1.0	1.0
ON	OFF	NA	ON	OFF	NA	0.5	0.5
OFF	ON (OFF*)	NA	OFF	OFF (ON*)	NA	0.05	1.0
OFF	ON	NA	OFF	ON	NA	0.05	0.5

*Rotary model

Wiring Diagram



Connections: Field-wired through either of two ½-14 ports in housing.

Order separately: Optional ½-14 NPSM cord grip model BWA-CG.5-1. Cord grip handles cable diameters 4.3 mm to 11.4 mm. One cord grip required for each port used for wiring.

Specifications

Supply Voltage

30 V dc maximum; minimum equal to the minimum voltage required for the indicator +2 V dc

Example: TL50 operating voltage without controller: 18 V dc to 30 V dc; TL50 operating voltage with controller: 20 V dc to 30 V dc

Construction

Housing: Polycarbonate

Toggle switches: Chrome-plated brass

Rotary Switch: Nylon with phenolic knob

Environmental **Rating**

IEC IP50

Operating Conditions

–30° to +50° C (–22° to +122° F)

Certifications

CE

Output Loads (Colors 1-5)

Toggle Switch Model (Solid ON and Flash Mode)

- Individual outputs: 200 mA max. for each output (when operated one at a time)
- Multiple outputs: 700 mA max. divided between the individual outputs (not to exceed the max. for any one output)

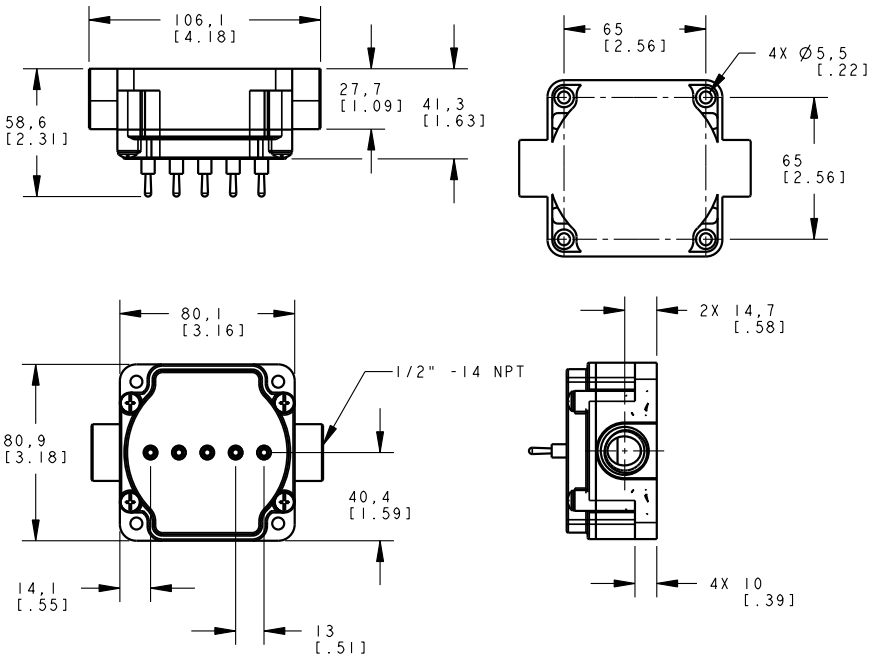
Toggle Switch Model (Flash Mode)

- Individual outputs: 200 mA max. for each output (when operated one at a time)
- Multiple outputs: 500 mA max. divided between the individual outputs (not to exceed the max. for any one output)

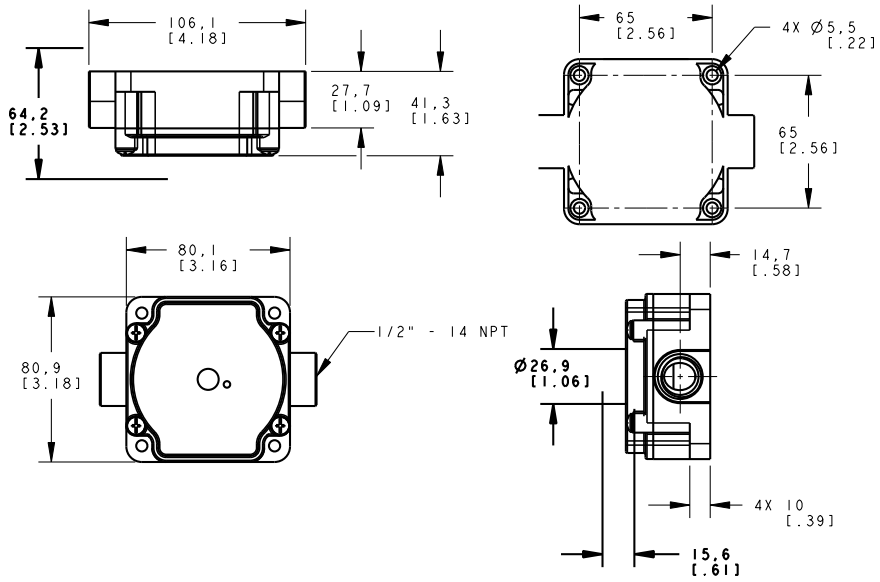
Rotary Switch Model (Solid ON and Flash Mode)

- Individual outputs: 200 mA max. for each output (when operated one at a time)

LC80T Dimensions



LC80R Dimensions



Mounting Hardware Included:

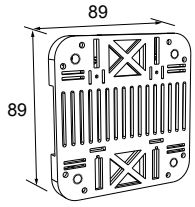
- 4 - M5 x 0.8 x 35 mm SS screws
- 4 - M5 x 0.8 SS Hex Nuts
- 4 - M5 lockwashers
- 4 - Nylon spacers (12.7 mm tall)

Accessories

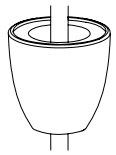
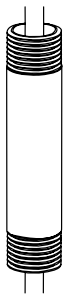
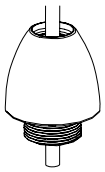
Mounting Bracket

SMBDX80DIN

Black reinforced thermoplastic Bracket for mounting on a 35 mm DIN rail



Elevated **Mounting** Systems

Model		Features	Components
SA-M30TE12 For use with TL50 Tower Light or CL50 Column Light		• Streamlined acetal stand-off pipe adapter/cover • Connects between light and ½" NPSM/DN15 pipe • Mounting hardware included	
SA-M30E12 For use with K50 model lights			
Stainless Steel	Aluminum	• Elevated-use stand-off pipe (½" NPSM/DN15) • Polished 304 stainless steel or anodized aluminum surface • ½ NPT thread at both ends • Compatible with most industrial environments • Can connect directly to Controller port	
SOP-E12-150SS 150 mm (6") long	SOP-E12-150A 150 mm (6") long		
SOP-E12-300SS 300 mm (12") long	SOP-E12-300A 300 mm (12") long		
SOP-E12-900SS 900 mm (36") long	SOP-E12-900A 900 mm (36") long		
SA-E12M30		• Streamlined acetal mounting base adapter/cover • Connects between ½" NPSM/DN15 pipe and 30 mm (1-3/16") drilled hole • Mounting hardware included	

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