LC80 EZ-LIGHT Controller

For operator-controlled activation of EZ-LIGHT products

For the latest technical information about this product, including specifications, dimensions, and wiring, see *www.BannerEngineering.com*.

Features

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

Models

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

Specifications

Supply Voltage:

Maximum: 30V dc

Minimum: Equal to the minimum voltage required for the indicator +2V dc

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

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)

Construction:

Housing: Polycarbonate

Toggle switches: Chrome-plated brass

Rotary Switch: Nylon with phenolic knob

Environmental Rating:

IP50

Operating Conditions:

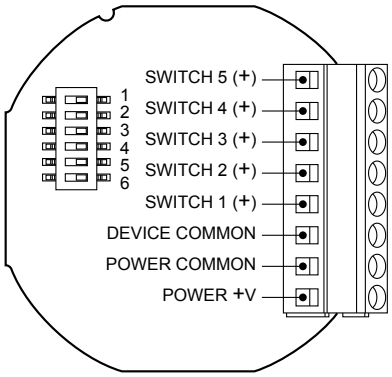
–30° to +50° C (–22° to +122° F)

Certifications:

CE

0 152677 6

Wiring Connections



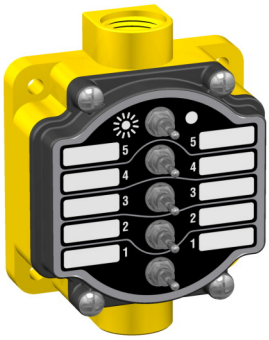
Connections: Field-wired through either of two ½-14 ports in housing.

Order separately: Optional ½-14 NPSM cord grip model **BWA-CG.5-1**.

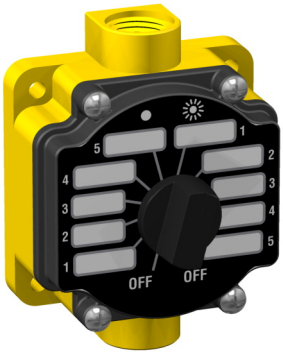
Cord grip handles cable diameters 4.3 mm to 11.4 mm. One required for each port used for wiring.

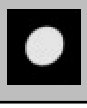
Switch Positions and Function

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

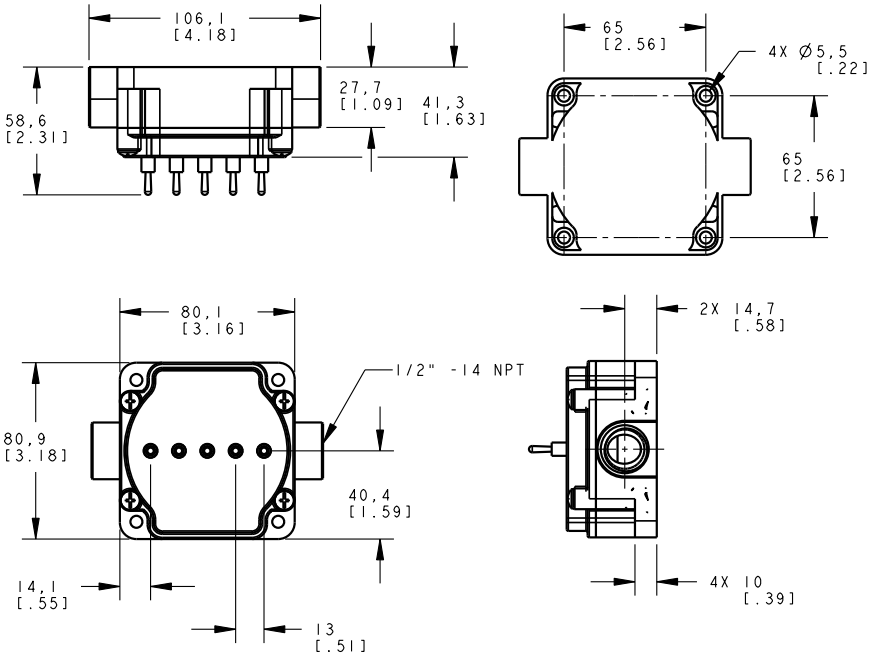
Some microprocessor-controlled EZ-LIGHTs have a delayed startup and are not fully compatible with flash rates listed. Consult Factory for more information.

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

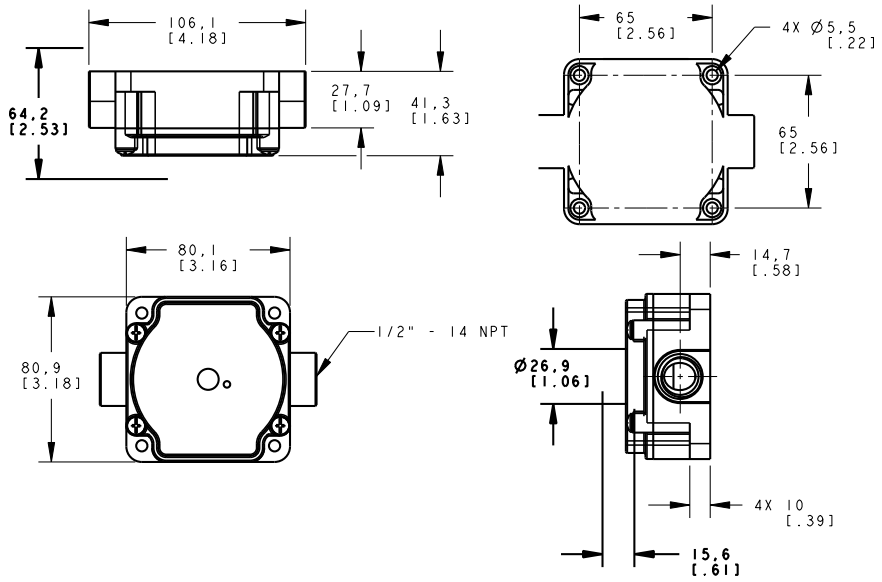
DIP Switch Position						ON Time (seconds)	OFF Time (seconds)
SW 1	SW 2	SW 3	SW 4	SW 5	SW 6		
OFF	OFF	NA	OFF	OFF	NA	1.0	1.0
ON	OFF	NA	ON	OFF	NA	0.5	0.5
OFF	ON (OFF*)	NA	OFF	OFF (ON*)	NA	0.05	1.0
OFF	ON	NA	OFF	ON	NA	0.05	0.5

*Rotary model

LC80T Dimensions



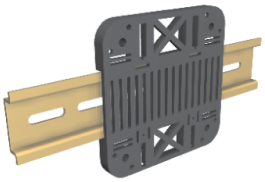
LC80R Dimensions



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)

Mounting Brackets

Model	Features	Mounting System
SMBDX80D	• DIN-mount bracket for K80L models • Hardware included to mount to K80L housing • ABS	

Mounting Systems — Elevated Mount

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	

WARNING: Not To Be Used for Personnel Protection
Never use this product as a sensing device for personnel protection. Doing so could lead to serious injury or death. This product 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.

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