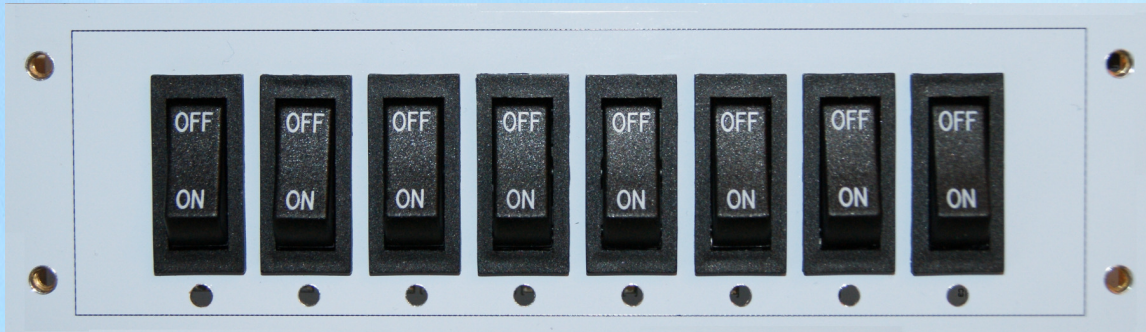


Ztron Labs Electronic Breaker-Switches

ZL-BP8X



Replaces eight conventional switches and circuit breakers, in less space for about the same cost.

These units use advanced microprocessor circuitry to provide the highest accuracy and greatest flexibility in the industry.

Comprising eight (ZL-BP8X) individual channels of power monitoring and control in a single, all solid-state unit.

There are no fancy or required installation extras, just four 5/32" holes for mounting bolts and a small 1.7"x4.5" rectangular cutout in your instrument panel.

Because these units are solid-state and do not use the rocker switches to switch the current in the channel, they are extremely reliable and consistent in use, and there is no rocker switch electrical wear-out mechanism.

Simplifies power wiring and lets you decide on the protection level needed after installation.

Serial Port allows for connection to an EFIS for alarm and status.

Features

- Eight independent channels of protection.
- Each channel has individually programmable current fault/trip levels.
- Low power usage.
- Trip levels per channel are set using a PC or EFIS (serial port).
- Conventional rocker switch activation.
- Precise, repeatable, and accurate current trip levels.
- Bright visual indication of each channel status.
- Very low profile (1.25")
- Very low weight (200 gm)

Note: These units replace the older ZL-BP8 touch sensitive versions.

Ztron Labs Electronic Breaker-Switches



ZL-BP8X Back side

There are eight 1/4" spade connectors in a straight line for the eight output channels. Additionally there are two Power input (+supply) 1/4" spade connectors. The ZL-BP8X does not consume any appreciable current so its return supply is via the terminals on the serial port connector.

Dimensions

Mounting hole spacing:

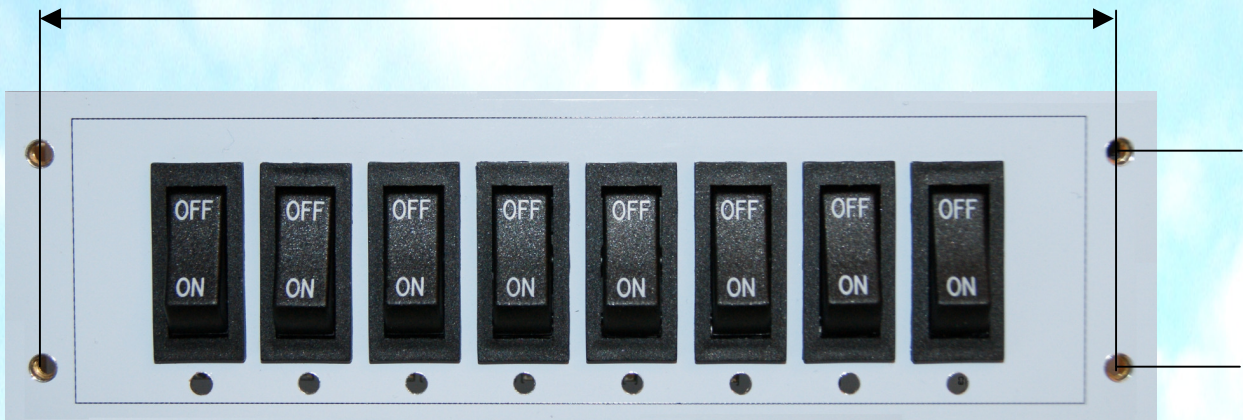
Width: 164.45 mm (6.474 in)

Height: 32.84 mm (1.293 in)

Front size:

Width: 174.6 mm (6.874 in)

Height: 50.0 mm (1.969 in)



Ztron Labs Electronic Breaker-Switches

ZL-BP8X Specifications

Dimensions	6.87"x 1.97"x 1.25" (174 x 50 x 32 mm)
Weight	7 oz (200 grams)
Input Voltage	8-18 V DC
Current Draw	40mA maximum
Power	0.5Watts maximum
Total Operating Capacity	50 Amps maximum ₁
Individual channel capacity (Continuous current)	15 Amps maximum
Operating voltage	8 – 18 V ₂ 6 – 18V ₃
Trip Speed	1 ms to 100 ms Configurable per channel.
Current trip accuracy	5 %
Current trip resolution (per channel)	0.1 Amp internally 1 to 20 Amps, in 1 A steps
External Interface	Serial RS232 (19,200 Baud) RJ25 connector
Warranty	3 years

- Notes:*
- 1** Sum of operating current flowing through all channels
 - 2** Supply voltage range for current monitoring to be accurate.
 - 3** Supply voltage range for switching function to deliver power to loads.

Watch our breakers in action; look for our video at www.ZtronLabs.com