

# Model LST 18

## Laser Shutter

The LST 18 shutter is designed for use with lasers up to 500 milliwatts output power and beam diameters up to 2.0 mm. The aperture is 2.5 mm round. Electrical drive voltage is 12 VDC. The windings are 70 ohms, which dissipates 1.8 watts as heat when holding open. The shutter is normally closed and closes failsafe upon loss of electrical power. All laser energy is conveniently absorbed internal to the shutter when it is closed. Two leads of 18 inch length are supplied for power. The case is black anodized aluminum. Mounting is via two 6-32 threaded holes, or (2) 0.196  $\varnothing$  clearance holes in any orientation. Many options are available for OEM customizing.

The LST 18 shutter is used primarily for safety interlocking and for slow modulation - in the range of 5 hz. Switching speeds are on the order of 10 milliseconds. For ultra-low power consumption applications (batteries), the factory can recommend an appropriate capacitor discharge circuit.

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