LASERMET LTD

LASER SAFETY SOLUTIONS

Laser Safety Solutions

ISO 9001 REGISTERED FIRM
Cert. No. GB3164

Laser Beam Shutters for Safety and Beam Control Applications

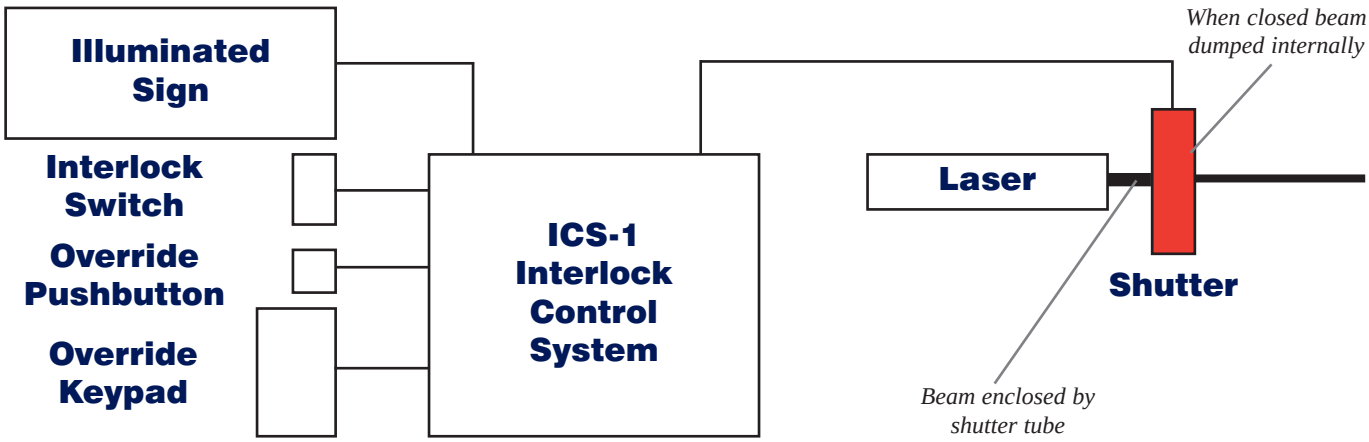
- **Gravity fed for fail safe operation**
- **Combined shutter and beam dump for added safety**
- **High quality engineering design**
- **Specially designed for compatibility with safety control systems**
- **LED shutter status indication (output available for remote indication)**
- **Interlocked safety shutdown or manual operation**
- **Safety latch prevents accidental beam switch on**
- **Remote switching option**
- **Low current requirement**
- **Also available as OEM product**

The LS-range of laser beam shutters are combined shutters and beam dumps designed to be driven by a safety control system such as the Lasermet ICS-1 laser interlock control system, for use as a means of shutting down the laser beam automatically during unauthorised access, or manually when the beam is not required. They can also be used as stand alone shutters for manual or remote switching of the beam, or are available as OEM components for laser or laser product manufacturers.

We provide many more Laser Safety products and services.
For more information please visit our website www.lasermet.com

Alternatively call us on 01202 770740 and ask for either Paul or Vicky.
We will be happy to help.

When used with the ICS-1 interlock control system the LS-shutters are used as shown below.



Opening of any laboratory door without use of the override will result in the shutter closing, thus preventing unprotected persons from being exposed to the laser radiation. The shutter is fail safe and gravity fed. Loss of power will cause the shutter to close without reliance on springs or any other device. High quality engineering design ensures smooth and reliable operation.

Combined Shutter and Beam Dump

The LS-series shutters are designed to absorb all the laser beam power thus eliminating the need for an additional beam dump and avoiding hazardous reflections. The laser beam is converted to heat which is radiated from the shutter case. Shutters can be used with lasers up to the maximum CW power specified.

Low Current Requirement

Intelligent design results in low current consumption. This increases the number of shutters which can be run from the same power supply and keeps the shutter cool for use as a beam dump when closed.

Model	Max Laser Power (W)	Aperture Size (mm)	Drive Voltage (V DC)	Current Consumption (mA)	Size (mm)
LS-10-12	10	15	12	120	120 x 66 x 40
LS-100-12	100	40	12	-	-

The LS-100-12 is currently at the prototype stage. Check with our sales department for availability.

67 Portchester Road
Bournemouth
BH8 8JX United Kingdom
Tel: 01202 770740
Fax: 01202 770730
e-mail: sales@lasermet.com
Website: www.lasermet.com

www.lasersafety.co.uk

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