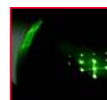


# Laser Safety Equipment

>> Are you using lasers within your business?

>> Do you need an intelligent, fail-safe safety system?

Laser Optical offer intelligent, interlock solutions...



Laser Optical  
Engineering Ltd

# Laser Safety Equipment

An interlock system is a requirement for any laser system containing a class 3B laser and above. Laser Optical's new iNTELLILOCK system offers a range of versatile, interlock systems that are informative and tamperproof.

Designed to be suitable for both laser and machine applications, iNTELLILOCK represents a step forward from current systems with intuitive displays and modern designs. At its most basic functionality requires interlock switchgear to be fitted anywhere a hazard can be accessed, such as a door, hatch or enclosure. A dedicated controller with multiple interlock circuits allows both local (cabinet or enclosure) or room hazard containment.

The system conforms to the Machine Directive, Low Voltage Directive and EMC Directive, as well as conforming to:

- EN 954-1 (category 2 system)
- EN 61010, EN60947-1.
- EN 61010 and EN 60947-1.

The interlock display notes the location of both disabled and broken interlocks reducing downtime when repairing the breaks.



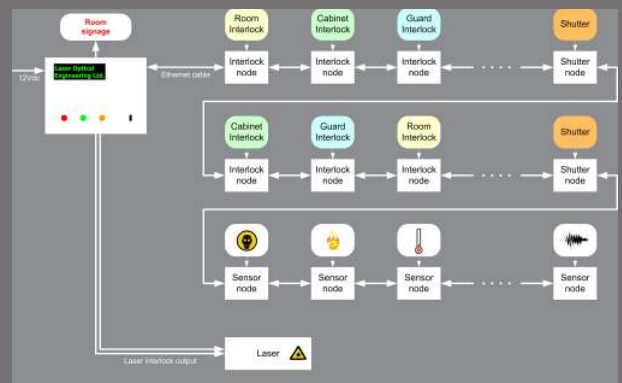
Our iNTELLILOCK system



Display highlights location of broken interlock

iNTELLILOCK offers:

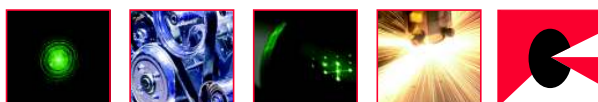
- Fail-safe
- Active intelligent monitoring
- Interlock, Shutter & Display nodes
- Up to 2x256 interlocks
- Up to 256 shutters
- Up to 3x256 sensors
- Daisy chained with 2 independent hardwired circuits
- Hierarchical configurations
- Data logging of overridden systems
- Keypad access control option
- Low voltage (12Vdc)



Schematic of node layout

The iNTELLILOCK provides the foundation for an informative and robust safety system but is scalable to achieve process feedback. If you have any specific requirements, please speak to us about incorporating them into your design.

Please contact us for further details or any of our services.



Laser Optical  
Engineering Ltd

Laser Optical Engineering Ltd PO Box 6321 Loughborough Leicestershire UK LE11 3XZ

t: +44 (0) 1509 228 733 f: +44 (0) 1509 223 948

enquiries@laseroptical.co.uk www.laseroptical.co.uk