

Laser Controls Catalog

Signs

Displaying proper signage is one of the important aspects of a successful laser safety program. According to ANSI Z136.1 *Safe Use of Lasers*, laser warning signs should be posted around Class 2M and 3R laser areas, and are **required** to be posted around all Class 3B and 4 laser areas. Additionally, when Class 3B and Class 4 lasers are being serviced or receiving maintenance of any kind, NOTICE signs are required to be posted. These signs are 10" x 14" in size and are available in plastic, aluminum and magnetic materials.

Class 2 Signs: ANSI Z136.1 indicates that laser area warning signs should be posted around Class 2 laser areas.



Class 2M Signs: ANSI Z136.1 indicates that laser area warning signs should be posted around Class 2 laser areas.



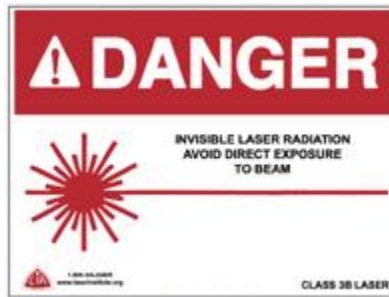
Class 3R Signs: A Class 3R laser may produce up to five times the emission limit for Class 1 or Class 2 lasers. Visible continuous lasers in Class 3R are limited to 5 mW.



Class 3B Signs:

A Class 3B laser is hazardous if the eye is exposed directly, but diffuse reflections such as from paper or other matte surfaces may be harmful. Continuous lasers in the wavelength range from 315 nm to far infrared are limited to 0.5 W. For pulsed lasers between 400 and 700 nm, the limit is 30 mJ.

- **Class 3B Plastic Sign:** Signs are required for Class 3B and Class 4 lasers during maintenance, servicing, and similar situations.



Class 4 Signs:

Class 4 lasers are high powered and are hazardous to view at all times and may cause devastating and permanent eye damage. Class 4 lasers may also have sufficient energy to ignite materials, and may cause significant skin damage. Exposure of the eye or skin to both the direct laser beam and to scattered beams, even those produced by reflection from diffusing surfaces, must be avoided at all times. In addition, they may pose a fire risk and may generate hazardous fumes.

- **Class 4 Plastic Sign:**



Notice Signs:

For temporary use when laser systems are under repair and the accessible laser radiation exceeds acceptable MPE.

