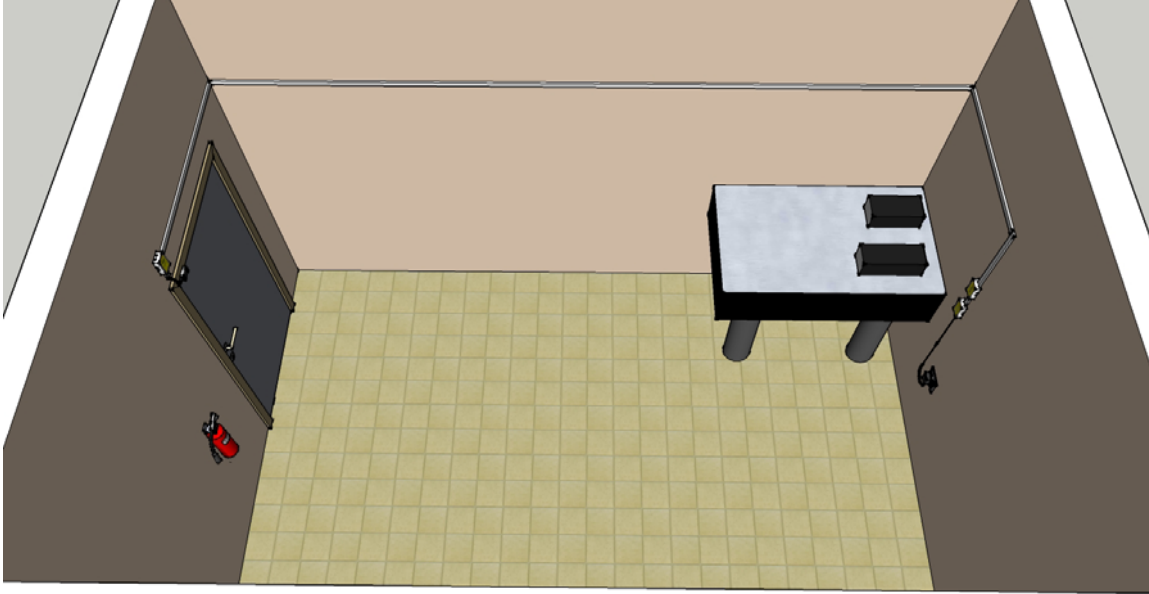


Laser Safety Systems



**Your Engineered Laser
Safety Solution**

The following installation plan has been prepared to show a typical laser room configured for Non-Defeatable operation.



The image above shows a top view of a typical lab. Notice the track that runs from the front door to the laser table. This track will contain a single cable run of the eight conductor interlock cable. This “start” to “end” run will be evident when reviewing the final schematic.



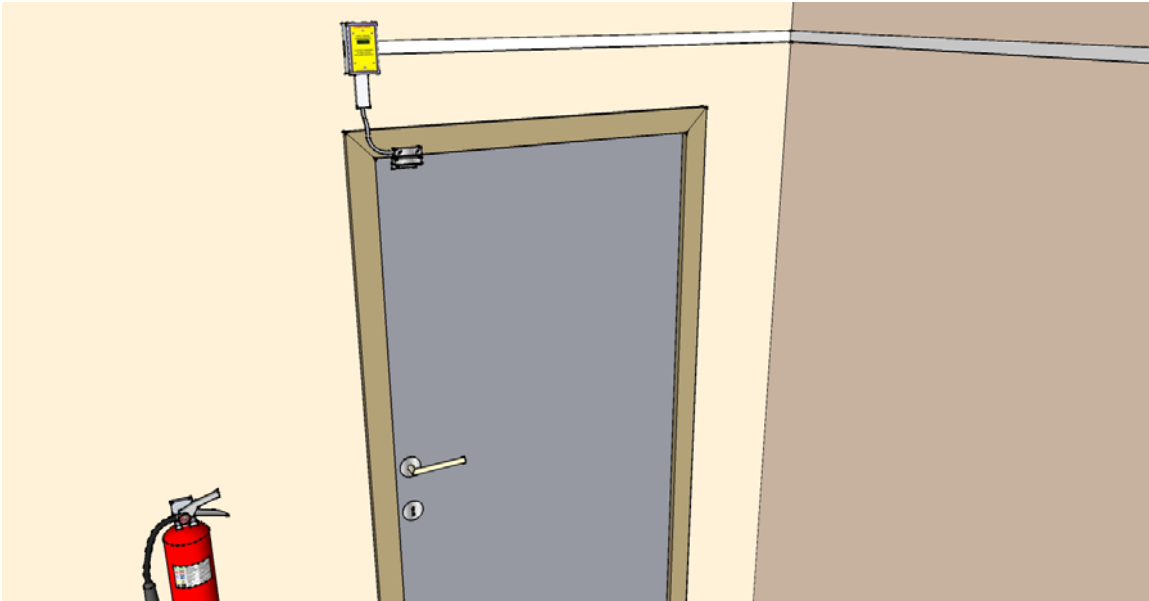
The front door is shown from the exterior. The LSS2380 Warning module will display the status of the room interlock. It will illuminate with red text when armed that can say “Danger, Laser On” or it can simply say “Laser On” if the jumper on the printed circuit board is placed. The yellow laser hazard triangle can be configured to flash as a strobe or remain on solid. When the interlock is not armed, it will show “LASER SAFE”

Kokyo

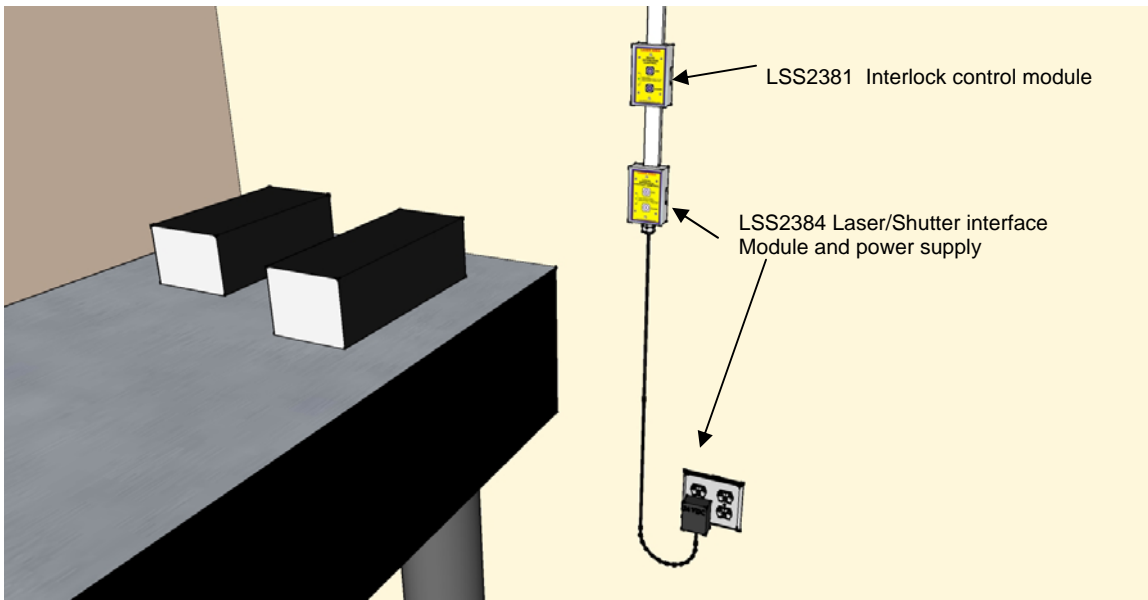
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Interior exit is shown above. The LSS2387 is a non-defeatable access monitor and will trip the interlock system if the door is opened. If an upgrade to defeatable operation is desired in the future, this module will be replaced by the 2388 defeatable access control kit. There are no other changes required in the rest of the room.

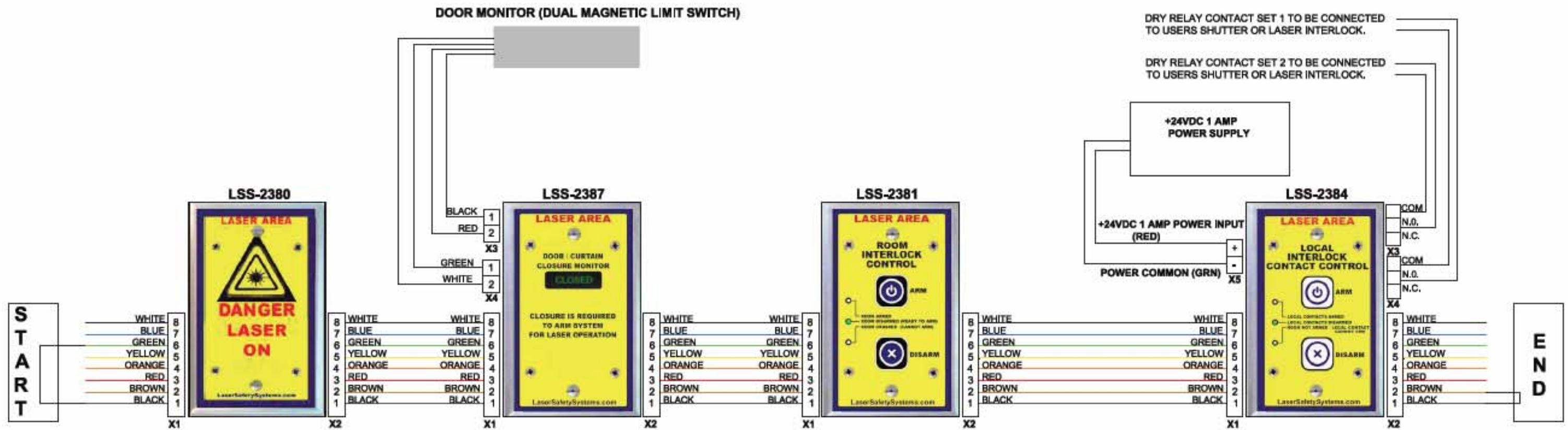


The LSS2381 interlock control is placed at any convenient location in the room. Here we have shown it installed near the table to allow the user to arm and disarm the entire system from the table. The LSS2384 laser/shutter interface module should be installed near the laser table and within 5 feet of a power outlet. The LSS2384 accepts system power from a 24VDC Wall Wart power supply and allows connection to the laser or shutter provided by the end user. The LSS-2384 can interlock two lasers or shutters.

The following schematic represents the entire electrical connection requirement for the system described in this proposal. Details of individual modules are shown in the installation and operation manual. This manual can be downloaded from:

http://www.lasersafety.com/files/Laser_Safety_Systems_user_manual.pdf

TYPICAL NON-DEFEATABLE INTERLOCK CONTROL SYSTEM SCHEMATIC



Note: Modules can be placed in any order desired as long as the start and end are terminated. The schematic layout shown above is only a suggestion.