



Purpose: Module is used to arm and disarm the laser room interlock from a location that is remote to the LSS2382 Main module. If the key switch on the LSS2382 is in the “ARM” position, this module can arm, disarm, or reset the room interlock.



Front



Rear



Side

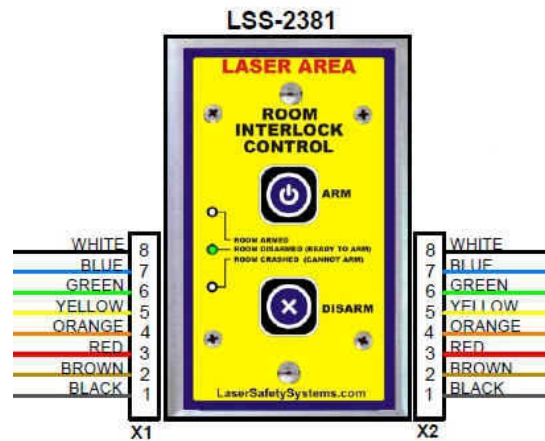
Dimensions: Width 2.8 inches Height 4.53 inches Depth in box 0.5 inches

Packaged weight: 110 grams

Typical installation location: Near laser table at approximately 4 feet AFF, or above laser table on utility shelf. Some clients install near entryway.

Typical mounting: This module can be surface mounted in a single-gang outlet box or it can mount flush to wall surface using a new-work or old-work single-gang outlet box.

Typical connection schematic:



Technical Data

Electrical

| | |
|--------------------|-----------------------|
| Voltage | 24VDC |
| Current consumed | 11mA |
| per LSS2381 module | |
| Endurance | 20,000 cycles minimum |

Mechanical

| | |
|-------------------------|---|
| Terminal Accommodations | #22 AWG – #16 AWG |
| Environmental | Indoor usage |
| Flammability | UL94 V0 |
| Operating Temperature | Maximum continuous +50°C, minimum -15°C |

Materials

| | |
|---------------------|-------------------------------------|
| Back Body | FR4 PCB |
| Front Body | Powder coated Steel |
| Label | Printed Polycarbonate F150 |
| Label Adhesive | 3M type 467 |
| Terminal Screws | Steel, galvanized with Cr3+ plating |
| Terminal Contacts | Nickel-Plated copper alloy |
| Rear body plastics: | Polyamide (UL94V-0) |
| Relay materials | Polyamide, Copper, Nylon, Steel |
| Solder (thru hole) | Lead Free K100LD (Kester) |
| Solder (paste) | Lead Free Sn42/Bi57.6/Ag0.4 |
| Screws | Stainless Steel |
| Spacers | Nylon or aluminum |
| Nuts | Zinc-Plated steel with nylon insert |

3rd Party Compliance

LSS-2381 is exempted from inspection under UL 508A section 43.2.1 due to its low-voltage power-limited status.

Module meets UL94V-0 Flammability standard.

Module is part of an overall system certified to fulfill the electrical interlock requirements of ANSI Z136.1-2014 for the safe use of lasers and Article 330 of NFPA 70E

Warranty

3 Year

Part number for Ordering

LSS-2381 or LSS2381

Additional information

LSS2381 specific operation information is located on page 5 of the overall system user manual located at:
https://www.lasersafetysystems.com/Laser_Safety_Systems_user_manual.pdf