



**Purpose:** Provide a means for qualified laser workers to enter and leave a laser controlled area without tripping off the laser system. If door is opened without proper credentials, the laser interlock trips to a safe state.



Items contained in the LSS-2388 defeatable access control kit

A & B - 12 foot length of pre-terminated keypad cable and Push-to-exit cable

C - Push-to-Exit module

D - LSS2388 main controller module with hidden text display

E - LSS2388 keypad module

F - LSS2306-12 Dual magnetic limit switch with 12" armored cable and mounting hardware

**Dimensions of main control module (D):** Width 4.5 inches Height 4.5 inches Depth in box 1.1 inches

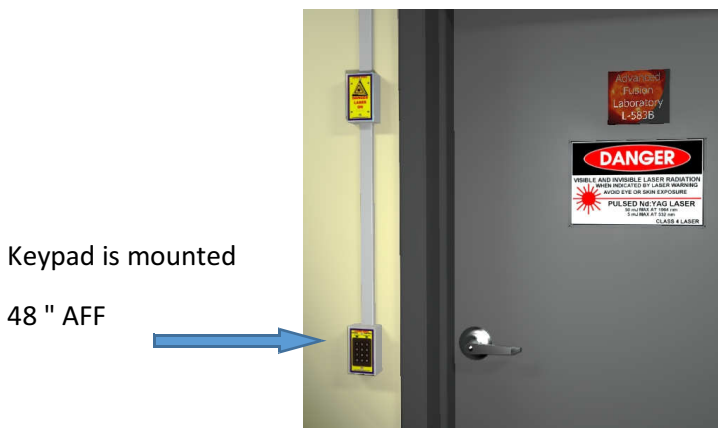
**Dimensions of Push-to-exit module (C):** Width 2.8 inches Height 4.53 inches Depth in box 1.6 inches

**Dimensions of keypad module (E):** Width 2.8 inches Height 4.53 inches Depth in box 1.0 inches

**Packaged weight:** 567 grams

**Typical installation location:** At entryway door or curtain where access is needed during laser operation.

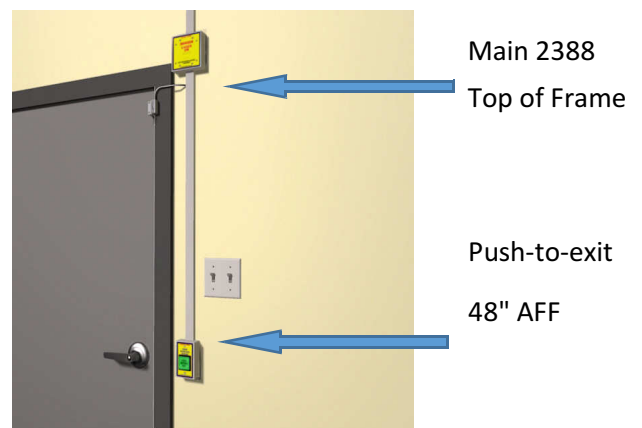
**Typical mounting:** The primary 2-gang control module is mounted in a surface mount 2-gang outlet box to permit entry of the door sensor wiring armored cable. In-wall mounting is not appropriate for this module unless installer is placing a limit switch inside the door frame. The keypad module and Push-to-Exit module may be surface or in-wall mounted



Keypad is mounted

48 " AFF

Outside door(typical)



Main 2388

Top of Frame

Push-to-exit

48" AFF

Inside door (typical)

**Typical connection schematic:** Refer to system manual

---

**Technical Data**


---

**Electrical**

Voltage	24VDC
Current consumed	50mA (230mA if magnetic lock used)

LSS2388

Auxilliary relay current Max	2 A
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
Push-to-exit switch	Polyamide, Nylon, and polycarbonate
Keypad	Polyamide

---

### 3rd Party Compliance

LSS-2388 is exempted from inspection under UL 508A section 43.2.1 due to its low-voltage power-limited status.

Modules meets UL94V-0 Flammability standard.

Modules are 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-2388 or LSS2388

Contact Laser Safety Systems if individual module replacement is needed.

Note: This part number will come with one LSS2306-12 door sensor. When double doors are used, a second sensor is to be ordered separately.



### Additional information

LSS2388 specific operation, testing , and connection information is located in the LSS2388 user manual located at : [https://www.lasersafetysystems.com/LSS2388 Installation and users manual.pdf](https://www.lasersafetysystems.com/LSS2388%20Installation%20and%20users%20manual.pdf)

**Laser Safety Systems LLC**  
3017 Roast Duck Ln.  
Johns Island, SC 29455  
[www.lasersafetysystems.com](http://www.lasersafetysystems.com)