

***ISIMET***

## **LSP UV LIGHTING CONTROLLER**



### **Application:**

The LSP/UV Lighting Controller was designed to help fill the void of control systems for UV Lighting. The main goal is to provide a high level of safety for the end user. Each system incorporates multiple safety interlocks and monitoring outputs to prevent any harmful exposure from ever occurring. There are two basic designs that were designed for Air Sterilization and Surgical Room Sterilization, but each can be customized for other specific uses.

### **UL Listing:**

Product is in compliance with the Industrial Control Panels, UL-508A Standard.

### **Enclosure Specifications and Dimensions:**

The 16x14x6 NEMA 1 enclosure may be either surface or flush mounted.

These units are not suitable for direct exposure to wet conditions.

The enclosure is available in Gray Powder Coat with White Powder Coat Door, Gray Powder Coat with Brushed Stainless Steel Door, and Stainless Steel with Brushed Stainless Steel Door.

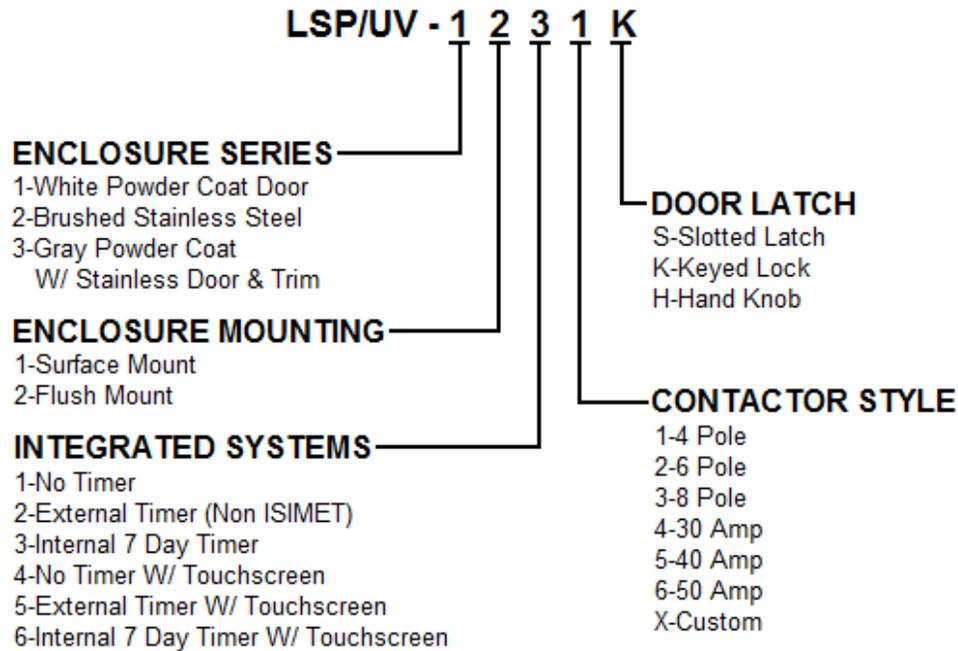
### **Electrical:**

120V-15A Max. Circuit Supply Voltage Required. Protection is provided by an Internal 5A Circuit Breaker Switch.

Either a three (3) pole definite purpose contactor from 30 – 50 amp, or a four (4), six (6), or eight (8) pole mechanically held lighting contactor is provided within the enclosure. Lighting Contactors are suitable for 277 Fluorescent/ UV Lighting Circuits.

The electrical contactor, along with an interface 24-VDC coil relay, is arranged within the enclosure to ensure ease in making field piping connections.

## MODEL NUMBER DESCRIPTION



NOTE: Internal Power Supply rated at 1.3 Amps @24 VDC

The *ISIMET* LSP/UV Controller operates as a single output controller incorporating electrical contacts along with the digital switching mechanism within a single enclosure.

### Standard Features:

Three sensor inputs that can be used to deactivate the system.  
One output circuit that is active only when the electrical contactor is off.  
One output circuit that is active only when the electrical contactor is on.  
Door mounted LED to notify user to change bulbs and reset button located inside box.

### Optional Features:

Internal Seven Day Timer to activate the electrical contactor automatically in Surgical Rooms  
(Used to sterilize rooms when not in use. Sensors mounted in the room will still deactivate the system if someone enters to prevent unwanted exposure)

**ISIMET, LLC**  
103 W. CJ Wise Parkway  
PO Box 129 (Mailing)  
Naples, TX 75568

(903) 897-0737 Fax (903) 897-0740  
[www.ISIMET.com](http://www.ISIMET.com)