PRODUCT DESCRIPTION

The Loctite® Light Intensity Monitoring System continuously monitors and displays changes in the intensity of all Loctite® light curing wand systems when connected to a light sensor module. This light sensor module sends a continuous analog signal to the monitoring unit through a rear-panel, 9-pin, sub-D connector. The signal amplitude is variable and proportional to the intensity of the lamp. The lamp status is continuously indicated by a ten-segment LED bar graph located on the front panel. The minimum allowable intensity, in terms of percent, is selected using eight switches located on the front panel next to the LED display. As long as the lamp intensity is greater than the preset fault point, the relay in the monitoring system is energized and remains closed. When the lamp intensity is reduced and falls to the preset minimum, the red LED on the front panel will flash and the closed relay will open, indicating a fault condition. The relay is connected to the 9-pin sub-D output connector to allow communication with a customer’s PLC.

If the Light Intensity Monitoring System is used with a Loctite® Wand System, the operation of the shutter is controlled from the Monitoring System. When the Wand System is operated in the timed mode, a momentary closure of the monitoring system’s input connector initiates a timed UV exposure cycle that uses the wand system’s timer. When the Wand System is in the manual operating mode, the shutter remains open and light exposure continues for as long as the closure is maintained.

PRODUCT FEATURES

- Ten segment LED bar graph continuously indicates the status of the lamp strength.
- The minimum acceptable UV output level (in terms of percent) can be set by the operator.
- The red LED on the front panel will indicate a fault condition.
- Output fault signal can sent to customer’s PLC.
- The wand system shutter can be remotely controlled by the customer’s PLC thru the Monitoring System.

TECHNICAL DATA

- Monitoring Unit dimensions: 6” W x 6” D x 5.5” H
- Weight: 4 lbs.
- Input Voltage: 100-240 VAC; 50/60Hz.
- Main fuse: 1 A; 250 V. (located in the input module)

Loctite® Wand Systems (Zeta 7735, 7740, 7760) can be ordered with the built-in light sensor module to be used in conjunction with this item # 891494.

Items Supplied:
- Intensity Monitor
- AC Power Cord
- Sensor Input Cable
- Operating Manual

NOT FOR PRODUCT SPECIFICATIONS
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