Luminescence Sensor
UVPS No. E014-001

Functions:

Normal Operating Mode Displays relative reflection intensity
Sensitivity X1 and X10
Threshold Set detection level
UV LED Intensity Set LED, LO, MED, HI
Hysteresis Level Set undetect level 1-9 steps below threshold
Discrete Output Set normally open or normally closed
Output Pulse Stretch Set minimum output period 10…90mS
Security Lock/Unlock pushbutton controls
Teach Mode Auto-set detection threshold

Specifications:

Light Source 370nm UV LED, 100,000 hours
Light Spot Size 6…8mm diameter @ 50mm
Light Source Intensity 3 levels
Sensing Distance Up to 350mm
Receiver Spectral Response 350…1000nm
Response Time <150μS
Switching Frequency 6kHz
Relative Intensity Display Range 00 to 50
Sensitivity X1, X10
Signal Level Two 7 segment digits
Detection Threshold Two 7 segment digits
Digital Output Auto-Detect PNP/NPN
Output Function NO/NC selectable
Analog Output 0…5V
Power Indicator Green LED
Detect Indicator Red LED
Programming Indicator Yellow LED
Data Retention EEPROM non-volatile memory
Dimensions 51mm x 61mm x 25mm
(2.0" x 2.4" x 1.0"
Weight 95 g (0.21 lbs.)
Supply Voltage 10…24 VDC
Operating Current 60 mA
Short Circuit Protection Discrete output
Overload/Reverse Polarity Protection Supply voltage
Operating Temperature -20° C…55° C
Storage Temperature -20° C…70° C
Housing Metal alloy
Mechanical Protection IP67 NOT FOR PRESSURE WASHDOWN
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Indicators:

- 7-Segment display LED
- Green LED Power
- Red LED Detect
- Yellow LED Program

Connector M12:

- Pin 1: Power to 24 VDC
- Pin 2: Discrete output PNP/NPN NO/NC
- Pin 3: Ground
- Pin 4: Analog output 0 to 5V DC
- Pin 5: Remote LOCK/UNLOCK input

Specification Are Subject To Change