



## UVReport™ – Multi-Purpose UV-C Radiometric Monitor

### BENEFITS

- Large 1/2-in. direct digital LCD display
- Simple sensor installation; up to 100 feet away
- Exclusive integral lamp-life timer
- One-button reset for instant calibration
- Digital display of lamp output performance and runtime
- Additional lamp output status indicators in green, yellow and red LEDs
- Normally closed (NC) / normally open (NO) relays for lights, alarms, or signals
- Convenient RJ-11 (telephone plug) cabling
- 24-VAC power options:
  - Hardwire terminal
  - Adaptor jack

*The UVReport™ UV-C radiometric monitor is the first affordable, multi-functional UV monitor available for UV-C lamp installations in HVAC systems. It features an exclusive resettable timer to display lamp run-time hours and it monitors UV lamp performance from initial installation to lamp change-out. In addition to the 1/2-inch-high digital display, UVReport also provides green, yellow and red LED indicator lights to alert operators of go / no-go lamp status. The digital readout displays can toggle between the percentage of “initial” lamp output or lamp run-time using a simple pushbutton. The UVReport monitor also provides NO/NC (5-Amp) relay switching to permit remote operation of alarms, lamps, and other devices, or to provide a signal to a building management system when lamp performance drops below 50%.*

### Application

The UVReport sensor is typically installed facing the lamps, from a distance of 3 to 10 inches. The monitor can be mounted up to 100 ft away from the sensor—in temperatures of 122°F (50°C) or less and a relative humidity of not more than 90%. An 8 foot high-performance sensor cable with male RJ-11 plugs is included. The monitor is equipped with a 24-VAC terminal block and includes a jack for a 24-VAC adaptor (not included). An integral NO/NC relay terminal block provides for 5-Amp switching of alarms, indicator lamps, or for controlling other devices. The relay can also be used to signal building operators through the use of a building management system.

REPRESENTED BY:

# UVR UV RESOURCES

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## SPECIFICATIONS

The *UVReport™* is factory assembled and tested. It consists of a housing, LCD readout, LED indicator lights, pushbutton display toggle, pushbutton reset, NC/NO hardwire terminal block, 24-VAC adaptor jack, 24-VAC power jack, RJ-11 sensor cable jack, and an 8-foot sensor cable with male RJ-11 plugs.

**HOUSING** – The *UVReport* housing is constructed of high performance industrial grade plastic impregnated with carbon-black for structural integrity and UV-C exposure resistance. Mounting holes facilitate easy installation.

**LCD READOUT** – Highly visible 1/2-inch high numbers provide a direct-digital indication of lamp performance in percent of rated output and real-time hours of lamp operation.

**RESET** – Pushbutton reset at lamp change-out sets the lamp performance value to 100% and the lamp-life timer to zero (0) hours.

**DISPLAY SWITCH** – Toggles the LCD readout between lamp performance in percent of rated output or real-time hours of lamp operation.

**LED INDICATORS** – Green, yellow and red LED status lights indicate measured lamp performance as >70% output, 50% to 70% output, and 50% output or below, respectively.

**SENSOR JACK** – A female RJ-11 jack accommodates the male RJ-11 sensor plug and cable.

**TERMINAL BLOCK** – The terminal block features screw-down electrical clamping for NO, NC and C (common), and 24-VAC power-in connections using solid or stranded wire.

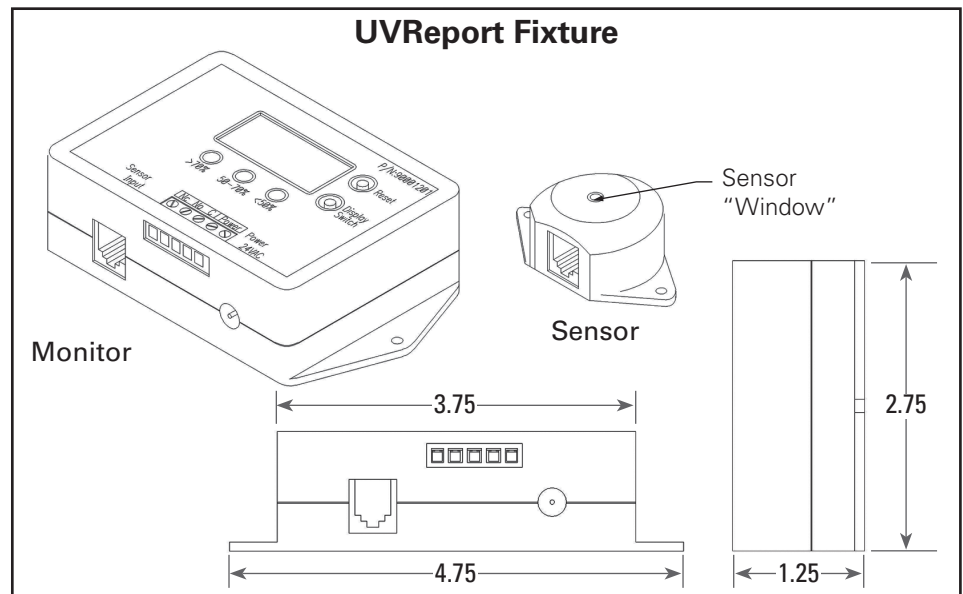
**SENSOR CABLE** – The cable is carbon-black impregnated 26-AWG, 4-wire line, rated at 300-VDC in temperatures up to 122°F (50°C). It is 8-ft in length and has male RJ-11 plugs on each end.

**UV SENSOR** – The sensor is constructed of high performance industrial grade plastic impregnated with carbon-black for structural integrity and the ability to withstand exposure to UV-C energy. It is equipped with a female RJ-11 jack, two mounting holes, and includes

mounting screws. It detects and converts UV-C energy of 240–400 nm to an electric signal that is translated by the monitor into a digital readout of “percent output” on the LCD display and drives the indicator LEDs.

**MONITOR DIMENSIONS** – 4.75-in. L x 2.75-in. W x 1.25-in. D.

**LCD DISPLAY** – UV-C relative irradiance value in percent and UV lamp run-time in hours.



## ORDERING INFORMATION

Model #	P/N	Description	Electrical	Weight
UVR-24V UVM	90001201	UVReport™ UV-C Monitor – 24 VAC with Sensor	24 VAC 50 Hz/60 Hz	0.25 lbs

The UVR website contains tools that let you select, specify, and/or purchase complete UV-C systems. You'll also find valuable content that will help simplify installation, operation, and maintenance of UV-C systems. For more information, go to [www.uvrresources.com](http://www.uvrresources.com)

Specifications subject to change without notice.

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