

UV-C LAMP HOUR METER™

BENEFITS

- Guarantees on-schedule lamp replacement
- Monitor Lamp Elapsed-Run-Time
- LCD Hour Display
- Green-Yellow-Red LED lamp indicator
- 5V Relay output signal for BMS-monitoring
- LED/Signal indicate lamp replacement
- Simple installation at UV-C Lamp install-location or remotely
- One-button annual reset
- 24Vac power adapter included
- 24Vac hard-wire option
- 3 year warranty

UV-C lamps have a useful life of 9,000 hours at which point it is recommended that they be changed. However, keeping track of how long a UV-C lamp has been running can be a challenge for building managers. The *UV-C Lamp Hour Meter* is the first no-nonsense, affordable way to monitor UV-C lamp run-time. It features an LCD screen which displays the elapsed run-time of UV-C lamps from the day they are installed or replaced.

The LCD elapsed hour display is coupled with Green, Yellow and Red LED lights that indicate lamp status. When the lamp run-time reaches 8,041 hours (approx. 11 months), the solid green LED light turn off and a slow intermittent flashing yellow light begins, providing an early indication for the need to order replacement UV-C lamps. Once 9000 hours is reached, the red LED begins a rapid, intermittent flash indicating the need to change the lamps.

Concurrently, the UV-C Lamp Hour Meter provides a 5V signal that can be tied into the building management system (BMS) to provide a remote indication of lamp status and includes a constant 5V signal that changes to a slow-intermittent signal and then a rapid-intermittent signal as the lamps reach 8,041 hours and 9,000 hours respectively.

The UV-C Lamp Hour Meter has a dynamic memory, ensuring it maintains an accurate elapsed hour count, even if power is lost.

Application:

The UV-C Lamp Hour Meter is easily installed, virtually, anywhere. It can be located with the UV-C lamps, or, in the building manager's office. While the system comes with a 24V wall-adaptor, it can also be hard-wired to available 24V power. The signal relay connections for BMS integration provide a 5V constant signal which changes to a 1Hz 5V signal at 8,041 hours indicating time to reorder lamps for the impending change-out. The signal changes to a 3Hz 5V signal when its time to change the UV-C lamps.

REPRESENTED BY:

UVR

UV RESOURCES

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CONSTRUCTION

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

LCD DISPLAY: Highly visible numbers, 5/16-inches high, provide a direct-digital indication of run-time hours of UV-C lamp operation. Dynamic-memory saves that run-time in case of a power outage.

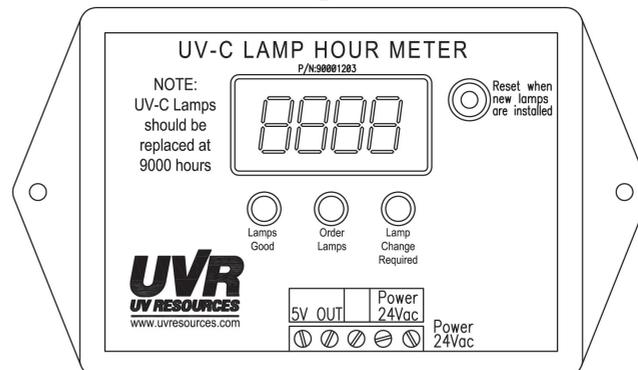
RESET: Push button reset at annual lamp change-out to set the lamp-life timer to zero (0) hours.

LED INDICATORS: Green, yellow and red LED status lights indicate lamp run-time as good (Green), prepare for lamp-change (Yellow) and change lamps (Red).

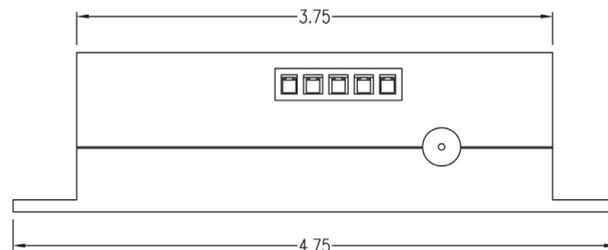
BMS COMMUNICATION: 5V relay signal for BMS integration. 5V constant signal changes to 1Hz 5V signal at 8,041 hours indicating impending change-out. At 9000 hours, a 3Hz 5V signal indicates time to change the UV-C lamps

TERMINAL BLOCK: Terminal block features screw-down electrical clamps, 5V out-signal, and power connections using solid or stranded wire.

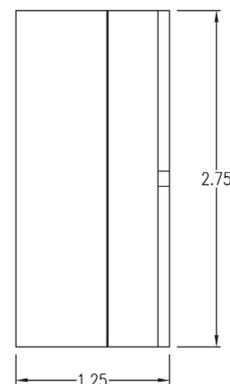
UV-C Lamp Hour Meter



Front View



Side View



End View

ORDERING INFORMATION

Model #	P/N	Description	Electrical	Weight
UVR-24V-HR-MTR	90001203	UV-C Hour Meter	24V	2lbs

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