



UV-Com™

UV Lamp monitoring System



The UV-Com combines the “first of its kind” CU2™ and UVRepeat™ lamp monitoring system for UV-Clamps and ballasts. A feature long desired by both consulting engineers and facility engineers, the UV-Com provides a local remote signal to monitor and confirm the proper operation of every UV-Clamp and ballast in a facility.

The UV-Com™ is a continuous current-monitoring device that can also act as a power on/off indicator. It provides a direct-readout green LED that relates the on/off state of an installed UV-C lamp and corresponding ballast. It's no longer necessary to directly access and look at UV-C lamps in use.

The UV-Com is equipped with a 0-5 Vdc analogue output connection point to provide the building operator with a remote signal for monitoring the on/off performance of a UV-C through a building management system. The signal informs the Building Management System that each ballast and lamp is operational. The UV-Com is warranted for 5 years.

APPLICATION

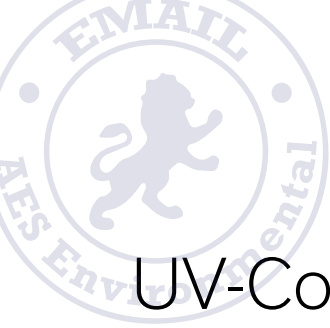
The UV-Com can be used with almost any lamp/ballast combination. When installed between a lamp and ballast, the CU2 produces a 0-5 Volt signal alerting the BMS if the lamp or ballast fails. Its unique design allows it to pick up the current flowing between the ballast and lamp is inductively converts it to a linear 0-5 Volt output signal with no moving parts or components to fail. That signal can be monitored by any system capable of accepting it. It instantly, accurately, and reliably instructs the BMS or other device of the status of the lamp or ballast.

The CU2 is a solid-state, instantaneous, and consistently accurate device that provides a signal of the full operation of UV-C systems. And, because of its affordability, the CU2 is typically installed at each lamp/ballast installation to provide both a direct and remote indication of lamp/ballast performance. This eliminates the need for an operator to visit the unit directly to see if the lamps are lit. Unlike other monitoring devices, the UV-Com does not require separate power to provide its lamp/ballast monitoring capability.

The UV-Com can accept up to eight (8) lamps/ballast combinations via the UVRepeat™ replicator and produces a single output signal to the BMS. The distinct advantage of the UVRepeat is the minimization of the number of direct connections made to a BMS.

BENEFITS

- Complete Lamp/Ballast Monitoring system
- Simple Go/No Go “real-time” verification of both lamp and ballast operation
- CU2™ provides a local and highly-visible green Status LED indicator
- CU2 offers a 0-5 Vdc signal for remote monitoring
- UVRepeat™ accepts up to eight lamp/ballast signals with one 0-5 Vdc signal to most Building Management Systems
- UVRepeat comes in NEMA 4X enclosure and mounts anywhere
- Solid state, needs no power and lasts for 50,000 hours or more
- There is no need to shut UV Lamps off, enter a plenum or trigger a door switch to monitor lamp operation
- Rated up to five Amps per connection
- 5-year product warranty
- Very affordable and reliable



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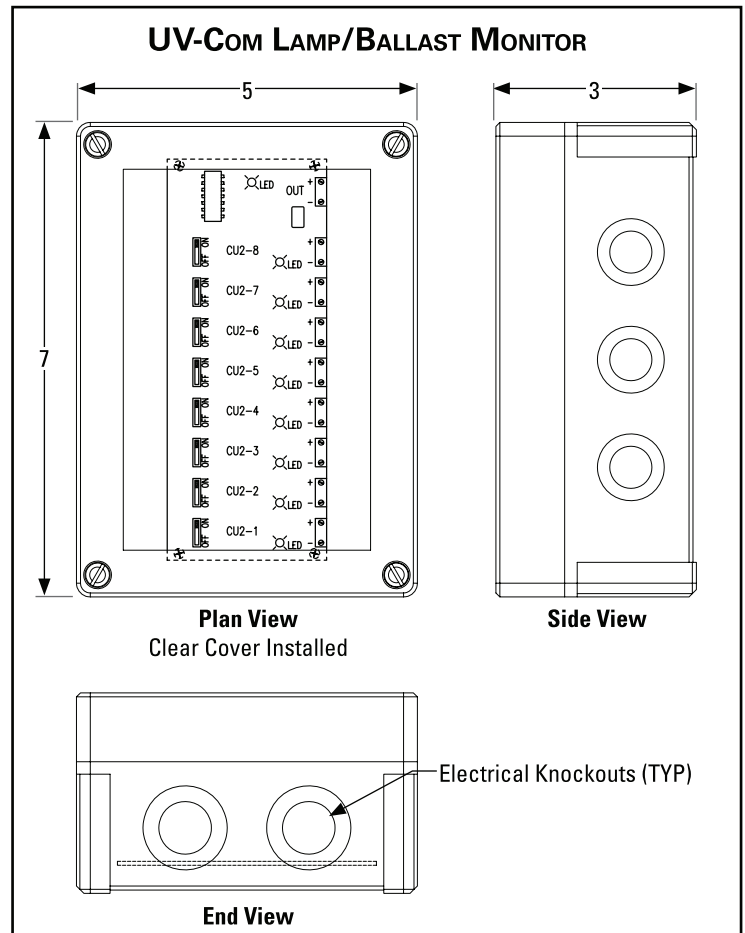
SPECIFICATIONS

UV-Com is factory assembled and tested. It consists of a NEMA 4X outdoor rated polycarbonate housing with a clear cover with a mounted UVRepeat™ replicator for up to eight (8) CU2 lamp/ballast sensors.

HOUSING - The enclosure has a sealed clear cover for observing LED signals and is rated NEMA 4X for protection from dirt, wash-downs, and corrosion. This UL Listed control box is gray with mounting holes.

LAMP/BALLAST MONITOR - The CU2 lamp/ballast monitor is constructed of industrial grade polycarbonate and equipped with a direct-read high output green LED. It features two mounting holes with an external wiring block for wiring to a remote-sensing, or, input-device. When installed between a lamp and ballast, the CU2 produces a 0-5 Vdc signal for remote monitoring.

SIGNAL REPLICATOR - The UVRepeat™ is a PC board designed to facilitate the conversion of an inductive field to a regulated electromotive force of up to 5 V. It consists of eight (8) CU2 signal input screw-down terminals and one screw-down output terminal capable of accommodating low-voltage wire sizes of up to 18 ga. Each terminal has an on/off switch and LED indicator-light. When a lamp or ballast has failed, the LED indicator light turns off. Output signals, up to 5 V, can be used by a building management system to remotely-monitor lamp/ballast. The UVRepeat is mounted on a steel panel inside the NEMA 4X enclosure.



ORDERING INFORMATION

Model #	P/N	Description
UV-Com	90004050	UV-Com™ (Incl: NEMA 4 Housing, UVRepeat™ and 8 CU2s)
CU2-4	90004044	CU2 Lamp/Ballast Sensing Monitor (4-pack)
CU2-RPT	90004048	UVRepeat™ (Incl: NEMA 4 Housing, UVRepeat™)

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In keeping with our policy of continuing product improvement, we reserve the right to alter specifications without notice.

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