



RLM UV-C Series – S/S Kit

BENEFITS

- Solves coil/pan cleaning issues
- Fast and easy installation
- Multiple lamp lengths
- CU2 lamp/ballast monitoring
- Most consistent UV output
- Lowest cost of ownership
- Easy to specify, source and purchase
- Destroys mold and bacteria in drain pans, on coils and in the air
- UL Listed components
- **5-year power supply warranty**
- **1-year lamp warranty**

Since the introduction of fan coil and heat pump products, persistent issues have been chronicled about the production of musty, moldy smells, overflowing drain pans, stained and/or destroyed ceiling panels or room equipment. Because they're often located in difficult to access areas, cleaning, maintaining or replacing these units has been a challenge.

Smaller, hard to service fan coil units, package and heat pump systems are more susceptible to contaminant loading, microbial growth and fouled coils. This leads to insufficient cooling capacity, poor IAQ and eventual equipment failure. They are also linked to higher absenteeism, employee turnover and a loss of productivity, which experts attribute to the carry-over of bio-materials including microbial products, their VOCs and other airborne bioaerosols that can result in allergies, colds and flu. Adding to this is the reduced comfort from higher temperatures and humidity and, often, the presence of odor. Other costs such as difficult maintenance, equipment breakdowns and damaged or lost products and goods are higher too. And as these systems are often located in inaccessible areas, cleaning, maintaining or even replacing them is a challenge.

The **Remote Lamp Mount (RLM) Small Systems (S/S) Kit** was developed specifically to address these issues and more. Whether factory installed or installed in the field, the S/S's UV-C energy goes right to work degrading microbial infestations and other organic materials on coils and in drain pans to clean, and/or keep clean, coils and drain pans to eliminate and further prevent these troublesome mechanical problems and their associated consequences.

Application

The S/S Kit provides everything needed to maximize the benefits of UV-C and at the lowest price. Components are easy to install and maintain and they include a high-efficiency power supply, state-of-the-art lamp holding mechanisms and a long-life lamp that's of "government required" low waste content to surpass today's environmental standards.

The S/S Kit marries the latest technology with an affordable product that fits-up simply and easily to smaller equipment. Power supplies are mounted remotely from the lamps making the complete install simple, quick and near fail-safe. The CU2 offers local and remote lamp/ballast monitoring, critical for systems located above ceiling panels and out of sight. Lamp holding and locating mechanisms make lamp positioning and securing a snap. Simply attach the lamp and loom to the power supply, position the lamp into the lamp holder and attach... you're ready to go.

S/S KIT

RLM

REPRESENTED BY:

UVR

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SPECIFICATIONS

RLM S/S KITS are factory assembled and tested. They consist of a galvanized fixture, power supply, CU2 lamp/ballast monitor, UV-C resistant lamp holder, lamp clamp and loom, lamp holster and lamp. Fixture and components are designed and constructed to withstand HVACR environments, and are UL/CUL Listed.

FIXTURE is heavy duty galvanized metal with 3-1/2-in. knock outs, grounding lug and viewport for CU2 high output LED visibility

POWER SUPPLY is UL/CUL Listed as an electronic, variable input (120–277 Vac \pm 10%), rapid start type with overload and end-of-lamp-life protection. It is a Type 1, Class P, sound rated A, with a high power factor, inherent thermal protection and no PCBs, to maximize lamp radiance, life and reliability at temperatures of 0–70°C. Power supply is warranted for five years.

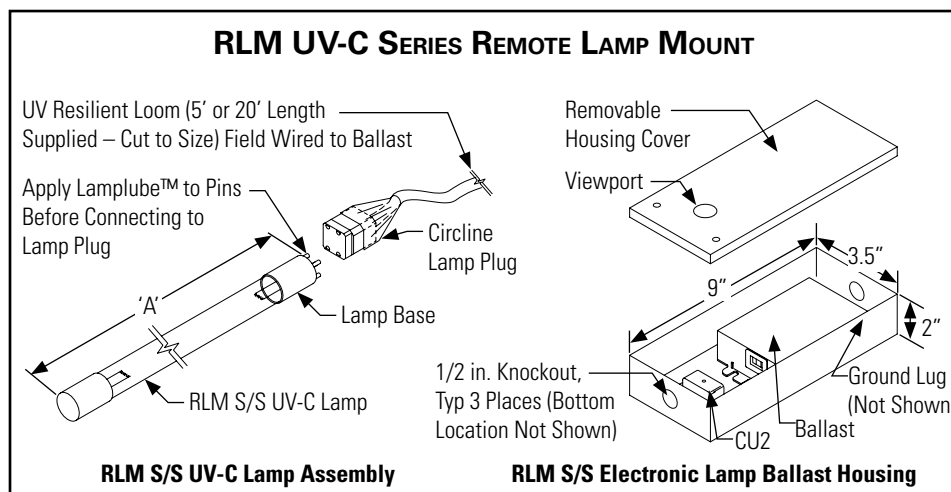
LAMP/BALLAST MONITOR is constructed of industrial grade polycarbonate and equipped with a direct-read high output green LED. It features two mounting holes with an external wiring block for wiring to a remote-sensing, or, input-device. When installed between a lamp and ballast, the CU2 produces a 0–5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

LAMPCLAMP™ / LOOM is comprised of 18 AWG, 600 V, UV-C resistant sheathed wire, wrapped in aluminized Mylar and jacketed with carbon-impregnated thermoplastic for moisture resistance to meet UL Subject 13, UL 1581, and Article 725 (NEC) as Plenum Rated. It is equipped with a 4-pin LampHolder™ and LampClamp™ combination to facilitate fitment to 4-pin single-ended lamps and to provide a

water-tight and very secure screw-on compression nut to the lamp.

LAMPHOLSTERS™ facilitate 360° UV irradiance and lamp installation and removal. They are constructed of carbon-impregnated thermoplastic to provide a safe, durable, and quick way to position, overlap, and/or suspend lamps in a UV treatment cavity, for unmatched intensity where system air velocity is greatest.

LAMPS are low-pressure, high-output, T5 diameter, 4-pin single ended type that emit short-wave UV-C of predominantly 253.7 nm. Lamp glass is doped to increase useful life and to preclude ozone production. Each lamp shall have less than 8 mg of mercury and produce the specified output at 500 fpm in temperatures of 1–70°C. Lamp life to be 9000 hours with less than a 20% drop in output at end-of-lamp-life.



ORDERING INFORMATION

Model #	P/N	Description	Electrical	Weight
RLM-12-SO-120-277	55823551	RLM SS 12" Standard Output UV-C	120–277 Vac – 50/60 Hz	1 lb.
RLM-17-SO-120-277	55833551	RLM SS 17" Standard Output	120–277 Vac – 50/60 Hz	1 lb.
RLM-22-SO-120-277	55843551	RLM SS 22" Standard Output UV-C	120–277 Vac – 50/60 Hz	1 lb.
RLM-33-SO-120-277	55863551	RLM SS 33" Standard Output UV-C	120–277 Vac – 50/60 Hz	1 lb.
RLM-5-LOOM-KIT	55000015	RLM Loom Kit – 5' Plenum Rated Wire with 1 Circline Plug	—	1 lb.
RLM-20-LOOM-KIT-LH	55000020	RLM Loom Kit – 20' Plenum Rated Wire with LampHolder (Includes mounting bracket and mounting clip option)	—	3 lb.
RLM-MC-2	55000134	RLM Xtreme MagnaClamp™ – 2 Pack (2 ea. Magnet Base and MagnaClamp Holster)	—	0.4 lb.
UVR-120-240V ISS	90001500	Access Interlock Safety Switch	120–277 Vac 50/60 Hz	0.2 lb.

Specifications subject to change without notice.

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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