



PV-AUV-CK Series

Highly Configurable UVC Systems for HVAC applications

The PV-AUV-CK Series is designed as a modular, highly flexible Ultraviolet-C (UVC) kit for Air Handling Unit (AHU) installations. The kit is simple to install and can be configured to provide exactly what's needed for a wide variety of AHU installations. The PV-AUV-CK Series is flexible enough to get everything you need and nothing you don't for almost any UVC application in an AHU. Standard configurations offer up to 16 lamps running from a single electronic enclosure. The PV-AUV-CK Series can be supplied with standard, coated or double-walled cell lamps, based on requirements of the installation. The Building Management System (BMS) option allows for lamp monitoring with relay output to a building's central monitoring system to ensure performance.



HVAC PV-AUV-CK Series Features

- Single control enclosure drives up to (16) lamp 36" or less (8 lamps up to 60")
- Lamp lengths: 18, 24, 36, 48, 60"
- Standard, shatterproof and double-wall cell lamps available all with proven, watertight lamp socket connection.
- Multi-voltage, multi-frequency for worldwide operation
- Main power switch and ballast on LED indication on front of enclosure
- Lamp cables available in 8, 12 and 30-foot lengths
- Easy to use mounting hardware utilizes snap-in lamp clips, allowing for tool-free lamp changes at end of lamp life
- Optional reflectors (upstream mounting) for additional UVC intensity

BMS option

The addition of one or more lamp monitoring boards to a PV-AUV-CK enclosure allows remote monitoring of all lamps by external systems - such as a building management system - so PV-AUV-CK system status is available without anyone having to go inside the AHU.

Reflectors



Highly polished for maximum UVC reflectance, PV-AUV-CK series reflectors are designed to increase UVC energy delivered to the coil and drain pan in upstream installations

Mounting Clips



Snap-in stainless steel clips on one side allow tool-free lamp installation and replacement while securely holding lamps. The other side of the clip is made to clamp around standard electrical conduit

UVC Lamps



High Output, Low Mercury lamps are offered in 3 varieties for the PV-AUV-CK series: standard, "shatterproof" coated, and double-walled. All utilize a watertight connection to the incoming lamp power cable and are rated for 2 years of effective lamp life. Standard sizes from 18" to 60"

Prolonged, direct exposure to UVC light can cause temporary skin redness and eye irritation, but does not cause skin cancer or cataracts. These systems are designed with safety in mind and, when properly installed by a professional contractor, do not allow exposure to UV irradiation and allow for safe operation and maintenance.

(Specifications on the following page)

PV-AUV-CK Series Specifications

PV-AUV-CK Series Applications: The PV-AUV-CK Series is the perfect budget friendly, easy-to-install solution for existing or new air handling units. Lamps can be placed in multiple AHU's, and run from a single power enclosure.

Lamps

- High-output; 17,000 hour, low-mercury UVC lamps
- Lamps available as 18, 24, 36, 45 and 60"
- Water-tight lamp base connection
- Optional shatterproof coating

Power Supply

- Multi-voltage (110-277V) and multi-frequency (50/60Hz)
- LED indication of proper ballast functioning
- Lamp cables available up to 30' long
- Water-tight lamp cable connection into power supply
- Ballasts run single or dual lamp configurations

Mounting Hardware

- Designed to securely hold lamps
- Attach easily to rigid conduit

Features

- Up to 16 lamps can run from a single enclosure
- Long-lasting lamps with high UVC output
- Multiple lamps of various lengths, and lamp cables, can be used from a single power enclosure
- Multi-voltage; multi-frequency for world wide compatibility
- Saves money while providing necessary UVC energy
- Moisture-resistant design ideal for AHU's
- 10-year warranty on ballasts

Benefits

- Decreased installation time
- Decreased installation costs
- Inexpensive conduit used as mounting rail
- Maximum installation flexibility because of modular design
- Decreased maintenance due to long lamp life (17,000 hours)
- Environmentally responsible low mercury content lamps