universal UV solutions ™
COMMERCIAL APPLICATIONS

HAMSA IV ™
In Duct UV Air Purification System

Model Number
HAMSAIV-PT8

1 YEAR
SYSTEM WARRANTY

3 YEAR
BALLAST WARRANTY

FEATURES AND BENEFITS

- Germicidal (253.7nm) UV-C in duct air purification system
- Operating Voltage: Choice of 120V or 220V 50/60Hz
- Programmed start ballasts for maximum lamp life
- Natural, generates no pollution and does not use harmful chemicals
- Duct pressure activation
- 750 days (2 year) lamp replacement cycle
- Improved indoor air quality
- Adjustable length arms for optimal in-duct lamp placement
- Failed lamp(s) indication
- Optional product features:
  - Lamp malfunction detection
  - Lamp expired indication
  - Self-diagnostic at power-up
  - Audible and visual alarm
  - Hours counter for lamp replacement
  - BMS C-NO/NC (optional)

DIMENSIONS

23.125" (59cm)

7.75" (20cm)

HAMSA IV ™
In-Duct UV Air Purification System
PURIFYING AIR THROUGH RESEARCH

TECHNICAL SPECIFICATIONS

Voltage:	Choice of 120V or 220V 50/60Hz
Power:	125W
Current:	0.6A @ 220V, 1A @120V
Wiring:	Hardwired
UV Lamp Type:	T8 Philips TUV
UV Wavelength:	UV-C, 253.7nm, Germicidal
UV Lamp Style:	Straight
Number of Lamps:	4
UV Lamp Length:	18"
Replace Lamp Period:	Two Years (18000 hours)
Packaged Product Dimensions:	26 x 16 x 10" (66 x 41 x 26cm)
Product Weight:	16lbs (7.5kg)

MADE IN THE USA

Due to a program of continuous improvement the product specifications may change at any time

INSTALLATION

- Before installation, ensure that any plastic or exposed wiring is covered by a UV-resistant material such as rubber, Teflon, silicone or aluminum tape. All HVAC equipment should be turned off during installation.
- Locate the vacuum sensor on the inside of the HAMSA™ cover. This sensor must be oriented in the same direction as airflow.
- Cut a 21 x 6" (53.3 x 15.3cm) sized opening in the duct work at the chosen installation location.
- The HAMSA™ features adjustable-length arms for optimal duct placement. For installation of 1 unit, optimal placement is at the center of the duct. For 2 unit installations, each unit should extend approximately 1/3 of the way into the duct on each side.
- Once lamp mount arms are adjusted and locked, apply the air leak gasket, insert the HAMSA™ lamp mount first, into the duct work opening. Use the provided screws to mount the unit to the duct work.

DISPLAY OPERATION

The HAMSA™ display features a 4 digit, digital readout that monitors lamp operation.

LAMP NUMBER

1 2 3 4

If the system detects any issue with the lamps the following will occur:
- The corresponding lamp number will blink as a visual alarm
- The system will generate an audible alarm
- The system will communicate the error via a building management system (BMS) (optional)

- When the lamp timer expires after 18000 hours of usage, the display will scroll: REPLACE ALL BULBS

- When there is no air flow the display will scroll: "UNIT IN STANDBY"

- To reset the lamp timer, scroll to the days left screen, press and hold the "MODE" button for three seconds.

- To display the number of days the lamps have been used, tap the MODE button once.

- To disable the audible alarm, scroll to the beeper screen, press and hold the "MODE" button for three seconds.

REMOTE MOUNTING

The HAMSA™ has a low voltage remote mounting option featuring:

- Safe, low voltage operation
- Compact design
  - 10.5cm width x 13.5cm height x 7cm depth
  - 4.15" x 5.31" x 2.75"
- Mountable up to 15 meters / 50 feet when using Universal UV Solutions™ wire
- IP 66 rated NEMA box
- All standard display operations:
  - Lamp fault indication
  - Lamp expiration indication
  - Days left counter
  - Building management system integration (optional)
  - Audible alarm
  - Hour counter

THIS UNIT EMITS UV LIGHT. PROTECTIVE EQUIPMENT, INCLUDING SAFETY GLASSES AND WORK GLOVES MUST BE WORN.