

# Split Air Conditioner UVC Lamp

## EGTK-CK30 Instruction Manual



Thank you for purchasing our products.  
Please read this manual carefully before use and  
keep it for reference.

## BEFORE INSTALLING

- Read all instructions carefully. Failure to do so could damage the equipment or cause harm to yourself or others.
- Acknowledge all warnings.
- Only qualified technicians should perform the installation.

## INCLUDED INSIDE BOX

- UV module
- Octagonal lamp brackets
- 3M tapes & Cable ties
- Installation & operation manual
- UV warning label

## SPECIFICATIONS

Dimensions	Lamp Length	250mm x 18mm Diameter
	Power Module	164 x 46 x 16.8mm
	Bracket	25 x 8.8mm Diameter
Wavelength		253.7nm
Electrical		90 - 264 Vac
Rated power		30W
Weight		450g
Humidity		Water resistant lamp
Lamp Life		12,000 hours
Warranty		1 year

## UV INSTALLATION NOTES

### DANGER



#### Ultraviolet Radiation

Protect eyes and skin from direct and skin from direct and reflected radiation.



#### HAZARDOUS VOLTAGE

Turn off and disconnect power before servicing.

#### Hg- LAMP CONTAINS MERCURY.

Do not put in trash. Dispose in accord with local, state or federal law.

This module is typically used in mini split, cassette unit and other limited space applications. Because space is tight, the best place for mounting the UV lights is usually inside the supply vent with the light shining onto the blower wheel (which is prone to the worst mold growth.)

Cutaway view of typical EGTK-CK30 UV installation in mini split.(Figure 1.)

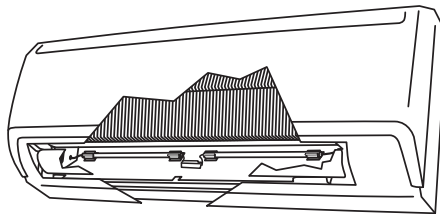


Figure 1.

## UV LAMP MOUNTING

1

- Need to wear protective gloves.
- Determine the best location for the UV lamp brackets and clean the area. Slide the mounting brackets onto the ends of UV lamps. (Figure 2.)

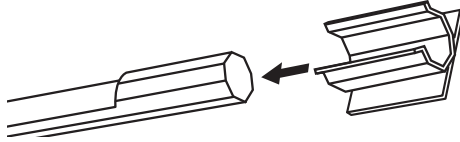


Figure 2.

2

- Peel off paper from the adhesive backing on the mounting brackets. Press the lamp with the lamp brackets firmly in place about 2" from blower wheel. (Figure 3.)

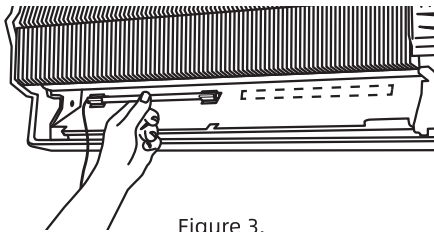


Figure 3.

### NOTE

Click the lamp in the octagonal lamp brackets so that the UV lights shine on the blower wheel and mold prone areas, NOT INTO THE ROOM.

## AIRFLOW SENSOR MOUNTING

- 3 Stick the airflow sensor on the air supply outlet with 3 M tape. (Figure 4.)

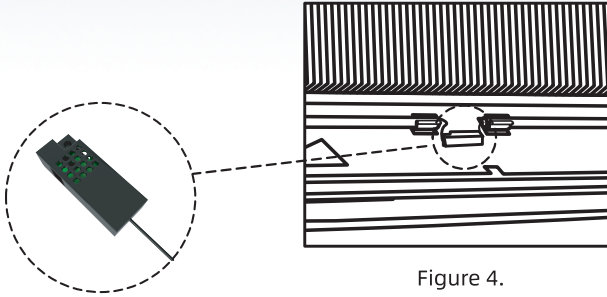


Figure 4.

## POWER SUPPLY

- 4 • Pass the UV lamp cables through the back of the AC system. (Figure 5)

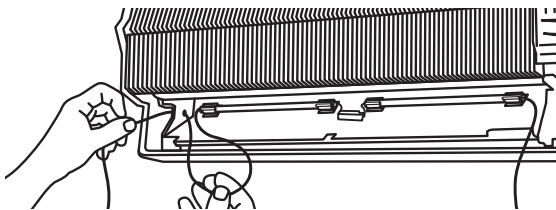


Figure 5.

- 5 • Tuck the power supply into the back of the AC unit or place it on other secure location. (Figure 6.)

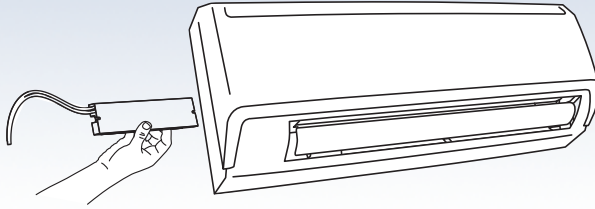


Figure 6.

## PLUG IN AND TEST

6

- Connect lamp cords to power supply.
- Plug in and turn on the air conditioner to confirm that the UV device is working.(Figure 7.)
- Apply the UV warning label in an appropriate location.

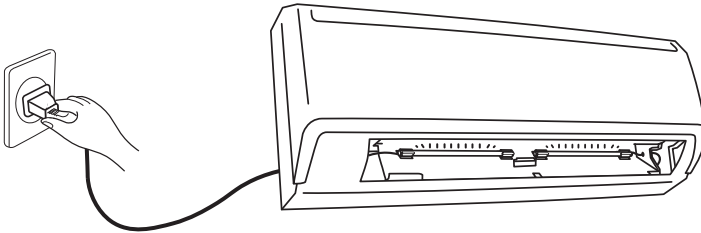


Figure 7.

NOTE

- 1.The energy saving airflow sensor turns the unit on only when the air handling unit working. When the air handling unit off, the UV system will light off automatically.
- 2.Clean lamp prior to installation: Use a cotton cloth to remove dirt and fingerprints. Failure to clean the lamp could shorten the lamp's lifespan.
- 3.Follow all instructions on any labels or tags. Carefully inspect all packing materials before discarding to prevent the loss of accessories, mounting hardware, spare parts or instructions.
- 4.Please keep the operating instructions in a safe place.

