



EP Lighting, Inc.

Installation and Maintenance Manual

TransportAirKleen (TAK) Series TAK-40

UVC + TiO₂ + Ionizer Air Disinfecting Unit for Transportation

ONE YEAR WARRANTY

- EP Lighting will replace or repair TAK series as long as it was not damaged during installation or damaged from faulty installation.
- EP Lighting warranty registration card must be filled out and received by EP Lighting within 15 days of installation.
- This warranty is for the repair or replacement of damaged EPL products only.
- EP Lighting accepts no liability, written or expressed, for the damage that may have occurred to any other equipment; nor does EP Lighting warranty cover any labor cost associated with replacement of such product.

WARNING:

ALWAYS have a professional electrician with proper safety equipment perform the installation.
Warning – Risk of electrical shock – Disconnect power before installing and servicing.

PACKAGE CONTENTS

The patented technology of the TransportAirKleen (TAK) is a high intensity UVC + TiO₂ + Negative Ionizer wall/ceiling mounted air disinfecting system for transportation industry. The TAK series pulls in the contaminated air using the powerful 106CFM fan, instantly disinfecting and releasing sterilized air back in to the vehicle. The contents of the package include:

- 1) Fully assembled, ready to be installed TAK units
- 2) Lamp mounting hardware
- 3) Installation and Operating Manual

SAFETY FIRST

Even though the EPL units are designed for common installation, electricity is dangerous, and only qualified personnel should attempt installation.

1. Read and understand the entire contents of the installation manual before installation.
2. Make sure to supply the 110-120VAC 50/60Hz power source to the installation of TAK unit.
3. If the model number of the TAK unit does not match with your order, please do not install it.
4. Turn off electrical supply to the bus/van/ambulance before any installation or servicing.
5. Verify with the voltage meter that the electricity is off.
6. Ensure all connections at the power source, are secure and all tools and equipment have been removed from the job site and panels before energizing the system.

EP-TAK SERIES INSTALLATION PROCEDURE

PRE-INSTALLATION PREPARATION:

1. Read entire contents before performing the installation.
2. Select the installation point in the vehicle:
 - a. EPL recommends to install on the side wall of the bus for efficient UVC operation
 - b. Select the installation location, making sure its not objecting the over-head AC system or other electrical/mechanical loads.
3. Verify the voltage configuration of the power supply. It should not exceed 5% of the rated nominal voltage of the EP-TAK specification sheet.
4. Give ample workspace area at the job site to assemble the TAK unit.

PRE-WORK:

The pre-work involves unpacking the unit from its box, and possible pre-wiring for the power source.

- 1) Wire the 120Vac power source (one hot, one neutral and one ground) to the installation location by a professional electrician.
- 2) Unpack the unit from the box and place the unit securely for installation.

INSTALLATION:

- 1) Install the pre-drilled mounting brackets to the vehicle using the the supplied hardware.
- 2) Mount the TAK unit to the installed bracket from step 1.
- 3) Wire the TAK unit to the pre-wired power source.
 - a. Black/brown wire from the TAK unit to the Hot/phase of the power
 - b. White/blue wire from the TAK unit to the Neutral of the power
 - c. Green/striped green from the TAK unit to the Ground of the power

OPERATION AND MAINTENANCE:

Each TAK unit will have its own power control using a toggle switch located on the bottom side of the unit. The toggle switch is easily accessible after the installation of the unit to the vehicle. For ease of simplicity and operation, we used only one switch to control all the three great features of the TAK unit – UVC, TiO₂ and Ionizer. Turning off the toggle switch on the TAK unit will shut off all the three features of the TAK series. We can hard wire the unit bypassing the switch if the customer requirement changes. Please contact EPL for any questions for concerns.

EPL products do NOT usually require periodic maintenance, but since the TAK units are installed at a publicly accessible location – it is advisable to check for any vandalism, foreign debris by the fans on the TAK units.

SERVICING:

EPL units contain no serviceable parts and require no adjustments. All EPL products are designed to provide many years of air disinfection without any need for servicing. If the EPL unit does malfunction, have a professional electrician inspect the wire connections. If the problem persists, contact your EPL sales representative to discuss obtaining a replacement unit.

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