

INSTALLATION



BK3512 Series Blower Kit



C1436M-G (2/06)

Important Safety Instructions

Prior to installation and use of this product, the following WARNINGS should be observed.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Only use attachments/accessories specified by the manufacturer.
10. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
11. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
12. Apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases shall be placed on the apparatus.
13. **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
14. Installation should be done only by qualified personnel and conform to all local codes.
15. Use only installation methods and materials capable of supporting four times the maximum specified load.
16. **CAUTION:** These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than contained in the operating instructions unless you are qualified to do so.
17. Only use replacement parts recommended by Pelco
18. After replacement/repair of this unit's electrical components, conduct a resistance measurement between the line and exposed parts to verify the exposed parts have not been connected to the line circuitry.

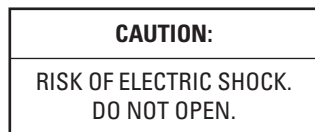
The product and/or manual may bear the following marks:



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.



Description

You can install the BK3512 Series blower kit only in enclosures in the EH3512 Series, EH3515 Series, and EH3515L Legacy® Series.

MODELS

BK3512-1	Blower kit, continuous duty, 120 VAC, 4 watts
BK3512-2	Blower kit, continuous duty, 24 VAC, 2 watts
BK3512-3	Blower kit, continuous duty, 230 VAC, 9 watts

Installation

The following items are supplied:

- 1 Blower
- 2 Screws
BK3512-1, -3 6-32 x 1-1/2-inch Phillips, pan head
BK3512-2 6-32 x 1-3/8-inch Phillips, pan head
- 2 Internal star lock washers

Perform the following steps to install the BK3512 blower kit:

1. Disconnect all sources of power from the enclosure.
2. Unlatch and open the lid.
3. If necessary, remove the camera and camera sled.
 - a. Disconnect the power and video from the camera.
 - b. Loosen the screws that hold the camera sled in place.
 - c. Slide the sled forward so it can be lifted out over the screws. *Do not lift the sled out yet.*
 - d. Retighten the screws so the sliding bar under the sled lip will not move. This will assure that you reinstall the camera and sled in the same place.
 - e. Remove the camera and sled.
4. Do one of the following:
 - If you have an EH3515 Series enclosure with a heater and defroster installed, do the following:
 - a. Remove the screws attaching the rear heater bracket to the enclosure.
 - b. Place the blower against the rear heater bracket, and attach using the screws and lock washers provided (refer to Figure 1). Be sure the arrow on the blower housing is pointing toward the viewing window.
 - Place the blower against the rear of the enclosure, and attach using the screws and lock washers provided (refer to Figure 2). Be sure the arrow on the blower housing is pointing toward the viewing window.

5. Connect the blower wires directly to power or, if there is a heater and defroster installed, you will need to connect the blower wires to the PC board. To remove the PC board cover, insert a screwdriver into the slot on top of the cover and lift the cover off.

Connect the blower wires to the PC board (refer to Figure 3). If required, connect ground to the stud on the bottom of the enclosure just in front of the PC board.

Replace the PC board cover, making sure it snaps securely back into place. Be sure the blower wires are not obstructing other accessories in the enclosure. If you are installing the BK 3512-2 blower kit (24 VAC), refer to Table A.

6. If you removed the camera and camera sled, reinstall them.
7. Close the enclosure lid, and latch.
8. Reconnect power to the enclosure.

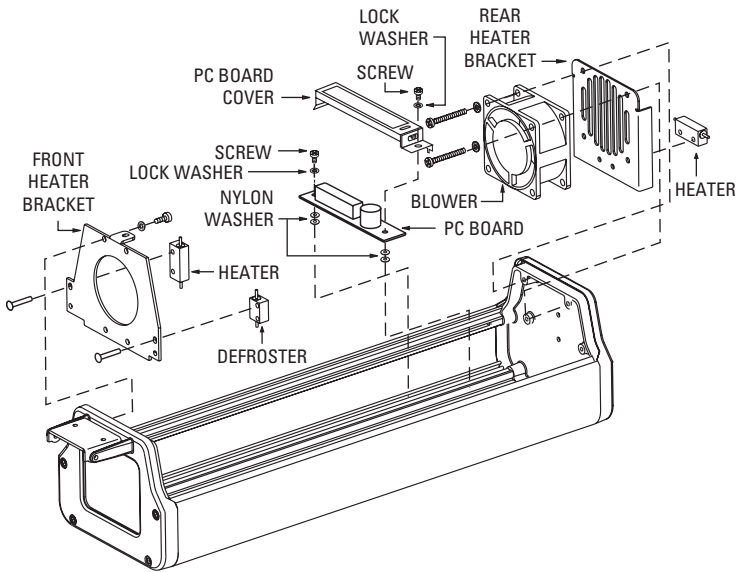


Figure 1. Blower Kit Installation in Enclosure with Rear Heater

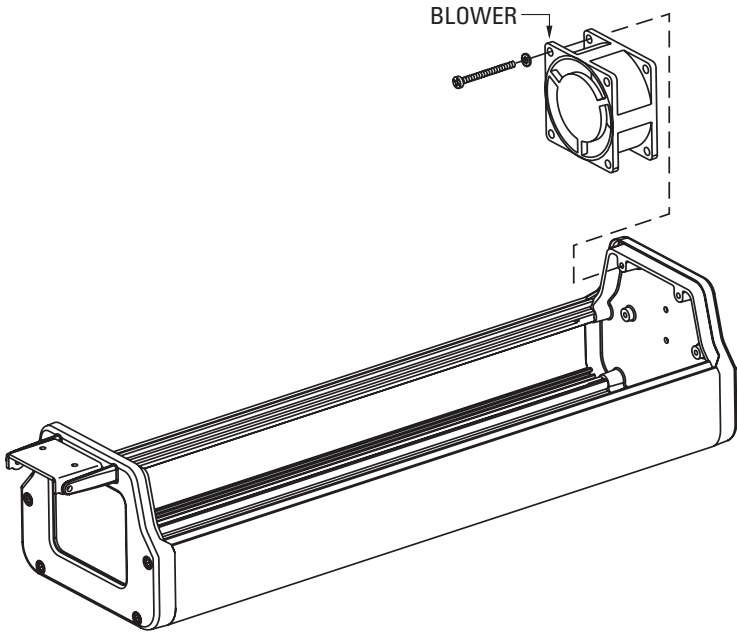
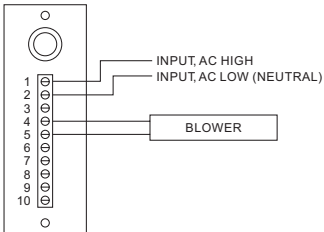
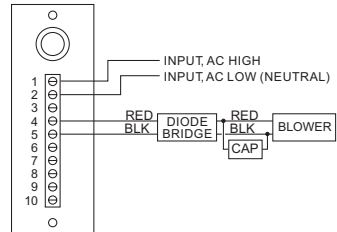


Figure 2. Blower Kit Installation in Enclosure without Rear Heater

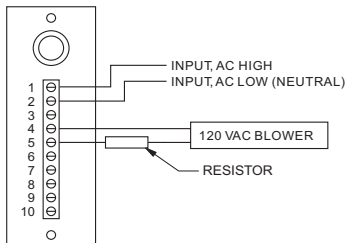
120 VAC MODEL



24 VAC MODEL



230 VAC MODEL



NOTE: THE DEFROSTER ALSO IS CONNECTED TO TERMINALS 4 AND 5.

Figure 3. Wiring Diagrams for PC Board

Table A. 24 VAC Wiring Distances

The following are the recommended maximum distances for 24 VAC applications and are calculated with a 10 percent voltage drop. (Ten percent is generally the maximum allowable voltage drop for AC-powered devices.

		Wire Gauge						
		20	18	16	14	12	10	
Total VA consumed	10	283 (86)	451 (137)	716 (218)	1142 (348)	1811 (551)	2880 (877)	Maximum distance from transformer to load
	20	141 (42)	225 (68)	358 (109)	571 (174)	905 (275)	1440 (438)	
	30	94 (28)	150 (45)	238 (72)	380 (115)	603 (183)	960 (292)	
	40	70 (21)	112 (34)	179 (54)	285 (86)	452 (137)	720 (219)	
	50	56 (17)	90 (27)	143 (43)	228 (69)	362 (110)	576 (175)	

Example: An enclosure that requires 30 VA and is installed 94 feet (28 m) from the transformer would require a minimum wire gauge of 20 AWG.

NOTE: Distances are calculated in feet; values in parentheses are meters.



This equipment contains electrical or electronic components that must be recycled properly to comply with Directive 2002/96/EC of the European Union regarding the disposal of waste electrical and electronic equipment (WEEE). Contact your local dealer for procedures for recycling this equipment.

PRODUCT WARRANTY AND RETURN INFORMATION

WARRANTY

Pelco will repair or replace, without charge, any merchandise proved defective in material or workmanship **for a period of one year** after the date of shipment.

Exceptions to this warranty are as noted below:

- Five years on FT/FR8000 Series fiber optic products.
- Three years on Genex® Series products (multiplexers, server, and keyboard).
- Three years on Camclosure® and fixed camera models, except the CC3701H-2, CC3701H-2X, CC3751H-2, CC3651H-2X, MC3651H-2, and MC3651H-2X camera models, which have a five-year warranty.
- Three years on PMCL 200/300/400 Series LCD monitors.
- Two years on standard motorized or fixed focal length lenses.
- Two years on Legacy®, CM6700/CM6800/CM9700 Series matrix, and DF5/DF8 Series fixed dome products.
- Two years on Spectra®, Esprit®, ExSite™, and PS20 scanners, including when used in continuous motion applications.
- Two years on Esprit® and WW5700 Series window wiper (excluding wiper blades).
- Two years (except lamp and color wheel) on Digital Light Processing (DLP®) displays. The lamp and color wheel will be covered for a period of 90 days. The air filter is not covered under warranty.
- Eighteen months on DX Series digital video recorders, NVR300 Series network video recorders, Endura™ Series distributed network-based video products, and TW3000 Series twisted pair transmission products.
- One year (except video heads) on video cassette recorders (VCRs). Video heads will be covered for a period of six months.
- Six months on all pan and tilts, scanners or preset lenses used in continuous motion applications (that is, preset scan, tour and auto scan modes).

Pelco will warrant all replacement parts and repairs for 90 days from the date of Pelco shipment. All goods requiring warranty repair shall be sent freight prepaid to Pelco, Clovis, California. Repairs made necessary by reason of misuse, alteration, normal wear, or accident are not covered under this warranty.

Pelco assumes no risk and shall be subject to no liability for damages or loss resulting from the specific use or application made of the Products. Pelco's liability for any claim, whether based on breach of contract, negligence, infringement of any rights of any party or product liability, relating to the Products shall not exceed the price paid by the Dealer to Pelco for such Products. In no event will Pelco be liable for any special, incidental or consequential damages (including loss of use, loss of profit and claims of third parties) however caused, whether by the negligence of Pelco or otherwise.

The above warranty provides the Dealer with specific legal rights. The Dealer may also have additional rights, which are subject to variation from state to state.

If a warranty repair is required, the Dealer must contact Pelco at (800) 289-9100 or (559) 292-1981 to obtain a Repair Authorization number (RA), and provide the following information:

1. Model and serial number
2. Date of shipment, P.O. number, Sales Order number, or Pelco invoice number
3. Details of the defect or problem

If there is a dispute regarding the warranty of a product which does not fall under the warranty conditions stated above, please include a written explanation with the product when returned.

Method of return shipment shall be the same or equal to the method by which the item was received by Pelco.

RETURNS

In order to expedite parts returned to the factory for repair or credit, please call the factory at (800) 289-9100 or (559) 292-1981 to obtain an authorization number (CA number if returned for credit, and RA number if returned for repair).

All merchandise returned for credit may be subject to a 20% restocking and refurbishing charge.

Goods returned for repair or credit should be clearly identified with the assigned CA or RA number and freight should be prepaid. Ship to the appropriate address below.

If you are located within the continental U.S., Alaska, Hawaii or Puerto Rico, send goods to:

Service Department
Pelco
3500 Pelco Way
Clovis, CA 93612-5699

If you are located outside the continental U.S., Alaska, Hawaii or Puerto Rico and are instructed to return goods to the USA, you may do one of the following:

If the goods are to be sent by a COURIER SERVICE, send the goods to:

Pelco
3500 Pelco Way
Clovis, CA 93612-5699 USA

If the goods are to be sent by a FREIGHT FORWARDER, send the goods to:

Pelco c/o Expeditors
473 Eccles Avenue
South San Francisco, CA 94080 USA
Phone: 650-737-1700
Fax: 650-737-0933

REVISION HISTORY

Manual #	Date	Comments
C1436M-G	2/06	Revised to new format. Added cover photo. Updated per ECO 04-10624, which added PCB cover and ground stud.

Pelco, the Pelco logo, Camclosure, Esprit, Genex, Legacy, and Spectra are registered trademarks of Pelco.
Endura and ExSite are trademarks of Pelco.
DLP is a registered trademark of Texas Instruments, Inc.

©Copyright 2006, Pelco.
All rights reserved.



Worldwide Headquarters
3500 Pelco Way
Clovis, California 93612 USA

USA & Canada
Tel: 800/289-9100
Fax: 800/289-9150
International
Tel: 1-559/292-1981
Fax: 1-559/348-1120

www.pelco.com

ISO9001