

**PMC14F  
14-Inch Color Monitor**

**Installation/  
Operation Manual**

**C1950M (10/98)**

Pelco • 3500 Pelco Way • Clovis, CA 93612-5699 USA • [www.pelco.com](http://www.pelco.com)  
In North America and Canada: Tel (800) 289-9100 or FAX (800) 289-9150  
International Customers: Tel (1-559) 292-1981 or FAX (1-559) 348-1120

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## REVISION HISTORY

<u>Manual #</u>	<u>Date</u>	<u>Comments</u>
C1950M	7/98	Original version.
	10/98	Removed PMC14F-X model and revised descriptions of power cords.

### 1.1 IMPORTANT SAFEGUARDS AND WARNINGS

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

1. Installation and servicing should only be done by qualified service personnel and conform to all local codes.
2. Unless the unit is specifically marked as a NEMA Type 3, 3R, 3S, 4, 4X, 6 or 6P enclosure, it is designed for indoor use only and it must not be installed where exposed to rain and moisture.
3. Do not attempt to service this CCTV product yourself as opening or removing covers may expose you to dangerous voltages or other hazards. Refer all servicing to qualified service personnel.

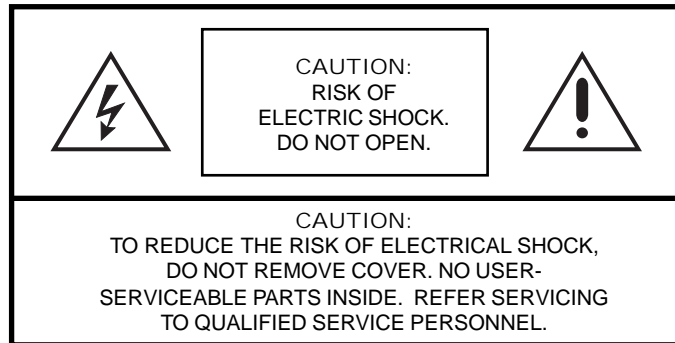
The product and/or manual may bear the following marks:



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.



Please thoroughly familiarize yourself with the information in this manual prior to installation and operation.

## 1.2 UNPACKING INSTRUCTIONS

Unpack and inspect all parts carefully.

Be sure to save the shipping carton and any inserts. They are the safest material in which to make future shipments.

If an item appears to have been damaged in shipment, replace it properly in its carton and contact the factory at 1-800-289-9100 or 1-559-292-1981 for a replacement. (International customers fax 1-559-348-1120 for authorization and instructions.)

If an item needs to be returned to the factory for repair, consult the WARRANTY AND RETURN section of this manual for instructions.

The following parts are supplied:

- 1 Color monitor with two power cords
- 1 Installation/Operation Manual

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## 2.0 DESCRIPTION

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The PMC14F is a high-resolution color video monitor that can be used in desktop applications or rack mounted using the optional RMA14F rack mount kit. The monitor supports both NTSC and PAL video, as well as 120 VAC and 230 VAC input power. An automatic switching system makes all the necessary changes for adapting to the required formats. Manual selection is not required.

The PMC14F features audio input and output, and has a steel housing and front panel controls. The S-VHS high-resolution video (460 horizontal lines at center) and digital comb filter add to the superior picture quality.

### 2.1 MODELS

PMC14F	Color monitor, 14-inch (35.56 cm) picture display, 110-240 VAC, 50/60 Hz, NTSC or PAL, auto select; supplied with two power cords: one for 120 VAC and one for 230 VAC (CE, UL, C-UL)
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### 2.2 RATINGS

- NEMA Type 1
- IP 30

## 3.0 INSTALLATION



**CAUTION:** Do not install this monitor in a location having excessive heat or in any way that obstructs the ventilation openings in the cabinet. Premature component failure or cabinet damage may result.

Refer to Table A for the type of video coaxial cable to use.

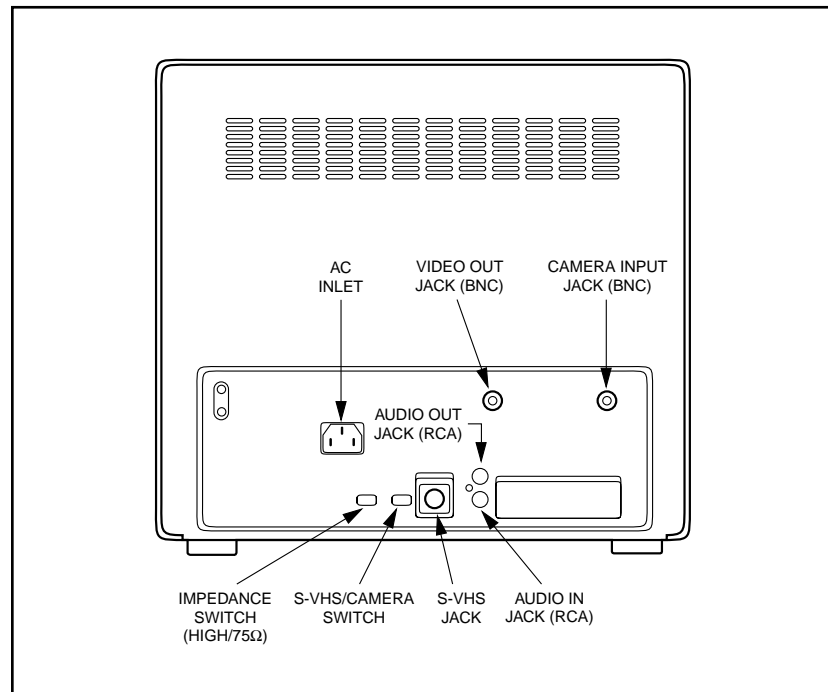
**Table A.** Video Coaxial Cable Requirements

Cable Type*	Maximum Distance
RG59/U	750 ft (229 m)
RG6/U	1,000 ft (305 m)
RG11/U	1,500 ft (457 m)

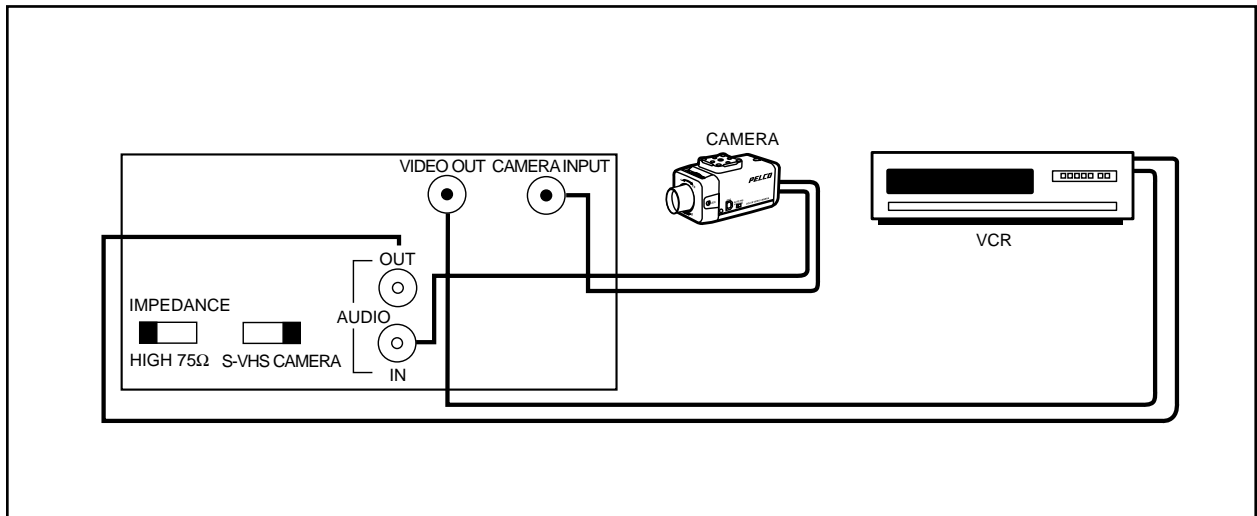
\* Minimum cable requirements:  
75 ohms impedance  
All-copper center conductor  
All-copper braided shield with 95% braid coverage

Refer to Figure 1 for rear panel connections.

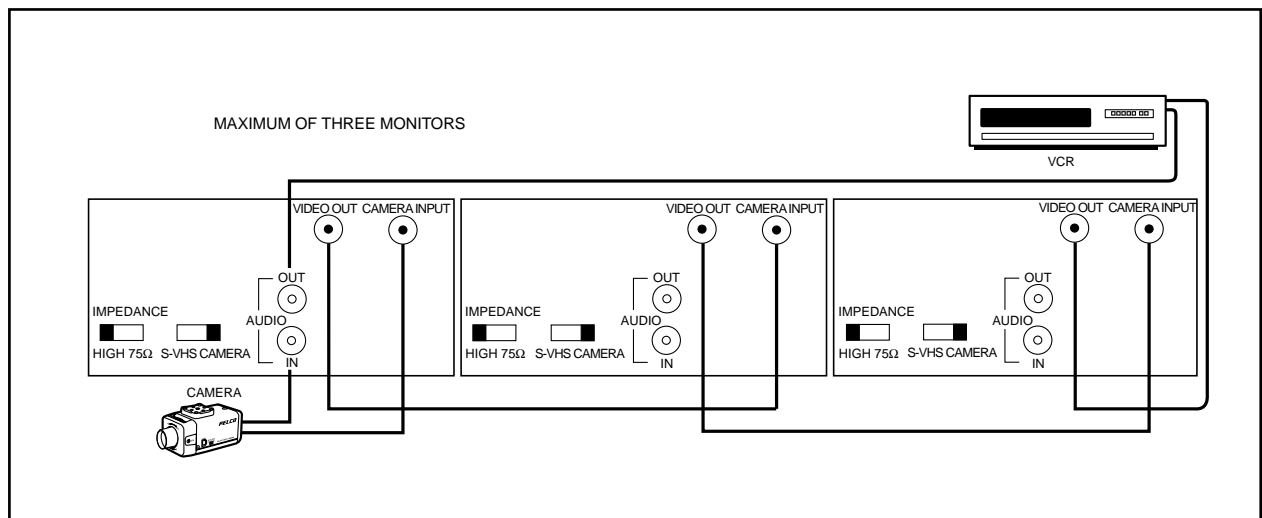
1. Connect the equipment as shown in Figures 2 through 4.
2. Set the IMPEDANCE switch on the monitor(s) to HIGH if the VIDEO OUT connection is used. Otherwise, set the switch(es) in the 75-OHM position.
3. Set the S-VHS/CAMERA switch on the monitor(s) to S-VHS if the S-VHS input jack is used. Otherwise, set the switch(es) in the CAMERA position.
4. Plug the appropriate power cord into the AC INLET connection on the rear panel of the monitor (refer to Figure 1). Plug the other end into a power receptacle.



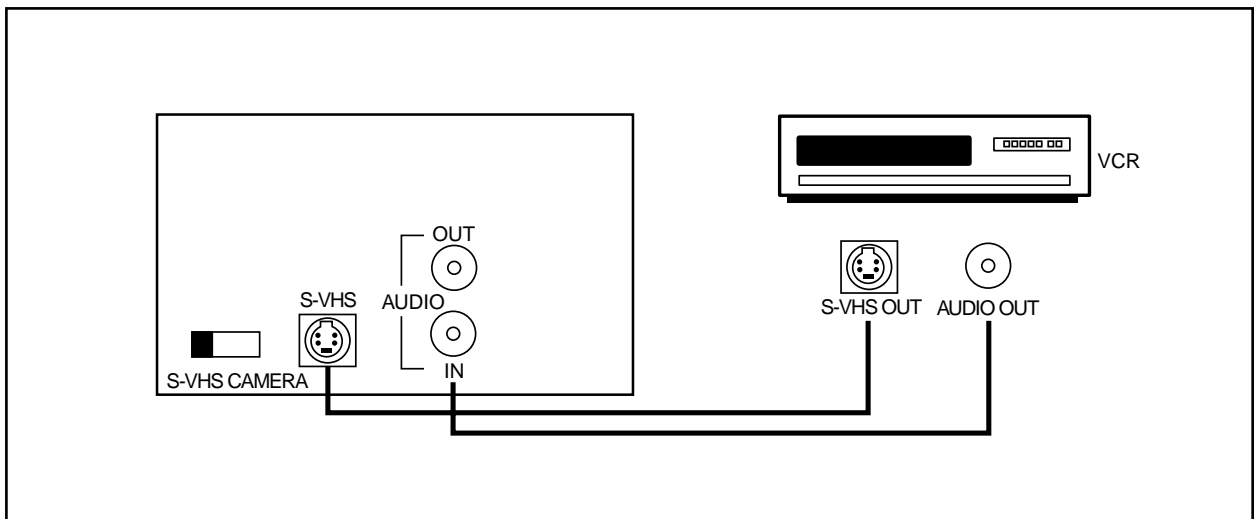
**Figure 1.** Rear Panel Connections



**Figure 2.** One Monitor with External Video Equipment



**Figure 3.** Monitor Looping with External Video Equipment



**Figure 4.** S-VHS Video (Y/C) Input Connections

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## 4.0 OPERATION

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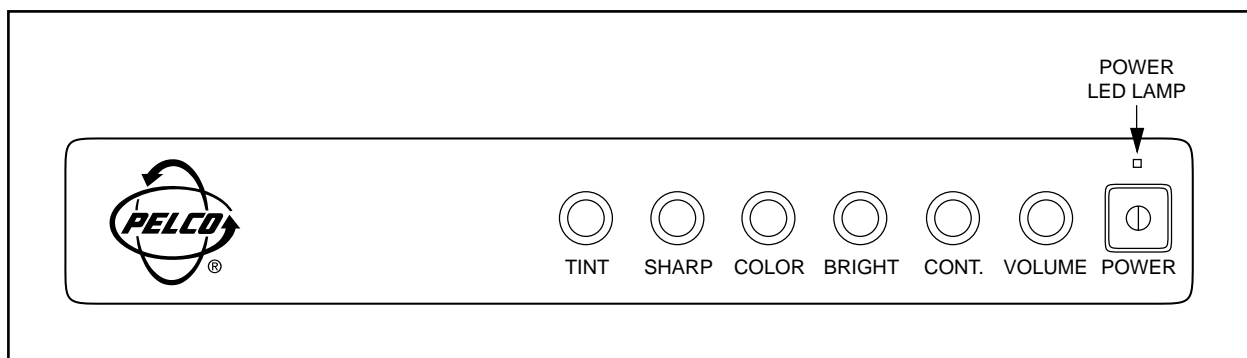
### 4.1 FRONT PANEL CONTROLS

Refer to Figure 5 for front panel controls.

1. Press the POWER switch to turn the monitor on. The power LED lamp above the switch will illuminate when the power is applied.
2. Adjust the VOLUME control for the desired audio level. Turn the control clockwise to increase and counterclockwise to decrease.
3. Adjust the CONT. control for the desired overall contrast. Proper adjustment will allow maximum gradations between the darkest and lightest picture contrast. Turn the control clockwise to increase and counterclockwise to decrease.
4. Adjust the BRIGHT control for the desired overall display brightness. This control is also useful to compensate for differences in surrounding area lighting. Turn the control clockwise to increase and counterclockwise to decrease.
5. Adjust the COLOR control to set the color saturation level. Turn the control clockwise to increase and counterclockwise to decrease.
6. Adjust the SHARP control to obtain the clearest picture.
7. Adjust the TINT control for the proper color phase or flesh tones. When turned clockwise, the skin tone becomes greenish. When turned counterclockwise, skin tone becomes reddish.

### 4.2 PASSIVE LOOPING

Passive looping is accomplished when two or three monitors are connected in series (see Figure 3) and a looping signal is sent through the IN and OUT connectors of one monitor to the next in the series. Unless you want to view the monitor(s), none of them need to be turned on for passive looping to function.



**Figure 5.** Front Panel Controls



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## 5.0 MAINTENANCE

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If the quality of the picture is poor and cannot be improved by making adjustments on the front control panel, inspect all system connections and cable runs.

To reduce the risk of electrical shock, do not remove the cover or the back. No user-serviceable parts are inside. Refer servicing to qualified personnel or contact the Pelco Customer Department for assistance. Refer to Section 7.0 for warranty and return information.

Clean the cabinet with a cloth slightly dampened with mild household detergent only. Use a soft cloth for drying. Some household aerosol sprays, cleaning agents, solvents, or polishes may damage the cabinet finish. Never use strong solvents such as thinner or benzene.

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## 6.0 SPECIFICATIONS

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### ELECTRICAL

Input Voltage:	110-240 VAC, 50/60 Hz
Power Consumption:	60 watts
Horizontal Resolution:	460 lines (center) 380 lines (corners)
Picture Tube:	14 inches (35.56 cm) measured diagonally
Effective Picture Size:	
Height	8.27 inches (21.0 cm)
Width	11.0 inches (28.0 cm)
Input Signal:	Composite video, negative sync Y: 1.0 Vp-p C: 0.286 Vp-p
Terminals:	
Video Input Level / Impedance	1.0 Vp-p/75 ohms
Video Output Level / Impedance	1.0 Vp-p/75 ohms
Audio Input Level / Impedance	0.3 Vrms/25K ohms (over)
Audio Output Level / Impedance	0.3 Vrms/4.7K ohms (under)
Subcarrier Frequency	
Sync Range:	3.579549 MHz $\pm$ 200 Hz 4.433619 MHz $\pm$ 200 Hz at room temperature
High Voltage:	23.5 kV $\pm$ 500 V
Convergence:	<1.0 mm (at center of picture) <1.4 mm (at corners of picture)
Brightness:	More than 250 lux in 100% white signal picture at center

### GENERAL

Connectors	
Camera Input/ Video Output:	BNC
S-VHS Input:	4-pin mini DIN
Audio Input/ Output:	RCA

AC Power Cord: One power cord with grounded plug for 120 VAC  
One "Euro"-style grounded power cord for 230 VAC

Construction: Steel cabinet

Finish: Black with black bezel around screen

Dimensions: See Figure 6

Unit Weight: 26.75 lb (12.13 kg)

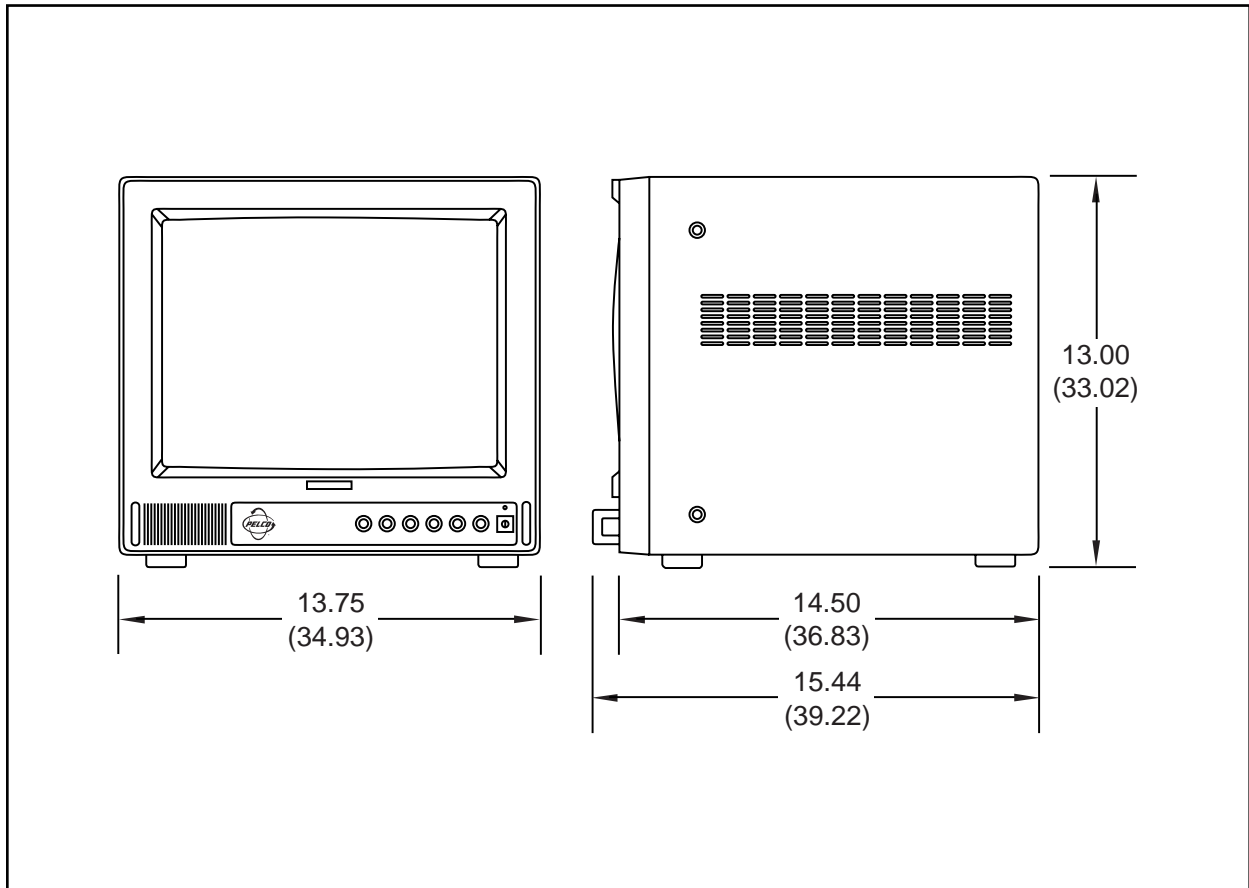
Shipping Weight: 32 lb (14.51 kg)

ENVIRONMENTAL

Operating Temperature: 32° to 106°F (0° to 41°C)

Humidity: 0% to 90% (non-condensing)

*(Design and product specifications subject to change without notice.)*



**Figure 6.** PMC14F Series Dimension Drawing

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## 7.0 WARRANTY AND RETURN INFORMATION

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### 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.
- 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).
- Eighteen months on DX Series digital video recorders, NVR300 Series network video recorders, and Endura™ Series distributed network-based video 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

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