

MOOG

VIDEOLARM

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P1800

Bracket, Mounts, and Poles

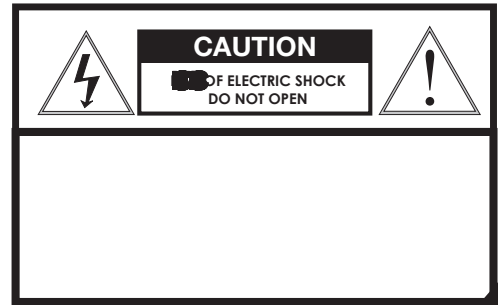
www.videolarm.com

Installation and Operation Instructions

Before attempting to connect or operate this product, please read these instructions completely.

81-IN5233
12-21-2011

SAFETY PRECAUTIONS



The lightning flash with an arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of normally “dangerous voltage” within the product enclosure that may be of sufficient magnitude to constitute a risk to persons.

Este símbolo se piensa para alertar al usuario del “voltaje peligroso no aislado” dentro de los productos que puede ser un riesgo para las personas.

Ce symbole est prévu pour avertir l'utilisateur de la tension dangereuse présente dans les produits qui peut constituer un risque pour les personnes.

Dieses Symbol ist vorgesehen, um den Benutzer auf die Gefahr eines nicht-Isolierten „gefährlichen Voltages“ innerhalb der Produkte zu warnen, die eine Gefahr für Personen darstellen können.

En

UNPACKING

Unpack carefully. Electronic components can be damaged if improperly handled. If damage appears to have been done, do not use the unit. Return it properly in its carton and packaging.

Be sure to save:

- 1 The shipping container and packing materials. They are the responsibility of the shipping company.
- 2 These instructions.

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Limited Warranty for Moog Videolarm Products

Moog Videolarm warrants these products to be free from defects in material or workmanship as follows:

PRODUCT CATEGORY	PARTS \ LABOR
All Enclosures and Electronics*	Five (5) Years
Poles/PolEvators™/CamEvator	Three (3) Years
Warrior Series™/Q-View™/IR Illuminators	Five (5) Years
SView Series™	Five (5) Years **6 months if used in auto scan/tour operation
Controllers	Five (5) Years
Power Supplies	Five (5) Years
EcoKit	Three (3) Years
Accessory Brackets	Five (5) Years
Liberty Dome	Three (3) Years
*DeputyDome™, NiteTrac™, Igloo Dome, PurgeDome™	Three (3) Years **6 months if used in auto scan/tour operation

During the labor warranty period, to repair the Product, Purchaser will either return the defective product, freight prepaid, or deliver it to Moog Videolarm Inc. Decatur GA. The Product to be repaired is to be returned in either its original carton or a similar package affording an equal degree of protection with a RMA # (Return Materials Authorization number) displayed on the outer box or packing slip. To obtain a RMA# you must contact our Technical Support Team at 800.554.1124, extension 101. Moog Videolarm will return the repaired Product freight prepaid to Purchaser. Moog Videolarm is not obligated to provide Purchaser with a substitute unit during the warranty period or at any time. After the applicable warranty period, Purchaser must pay all labor and/or parts charges.

The limited warranty stated in these product instructions is subject to all of the following terms and conditions.

TERMS AND CONDITIONS

1. NOTIFICATION OF CLAIMS: WARRANTY SERVICE: If Purchaser believes that the Product is defective in material or workmanship, then written notice with an explanation of the claim shall be given promptly by Purchaser to Moog Videolarm. All claims for warranty service must be made within the warranty period. If after investigation Moog Videolarm determines the reported problem was not covered by the warranty, Purchaser shall pay Moog Videolarm for the cost of investigating the problem at its then prevailing per incident billable rate. No repair or replacement of any Product or part thereof shall extend the warranty period of the entire Product. The specific warranty on the repaired part only shall be in effect for a period of ninety (90) days following the repair or replacement of that part or the remaining period of the Product parts warranty, whichever is greater.

2. EXCLUSIVE REMEDY: ACCEPTANCE: Purchaser's exclusive remedy and Moog Videolarm's sole obligation is to supply (or pay for) all labor necessary to repair any Product found to be defective within the warranty period and to supply, at no extra charge, new or rebuilt replacements for defective parts.

3. EXCEPTIONS TO LIMITED WARRANTY: Moog Videolarm shall have no liability or obligation to Purchaser with respect to any Product requiring service during the warranty period which is subjected to any of the following: abuse, improper use, negligence, accident, lightning damage or other acts of God (i.e., hurricanes, earthquakes), modification, failure of the end-user to follow the directions outlined in the product instructions, failure of the end-user to follow the maintenance procedures recommended by the International Security Industry Organization, written in product instructions, or recommended in the service manual for the Product. Furthermore, Moog Videolarm shall have no liability where a schedule is specified for regular replacement or maintenance or cleaning of certain parts (based on usage) and the end-user has failed to follow such schedule; attempted repair by non-qualified personnel; operation of the Product outside of the published environmental and electrical parameters, or if such Product's original identification (trademark, serial number) markings have been defaced, altered, or removed. Moog Videolarm excludes from warranty coverage Products sold AS IS and/or WITH ALL FAULTS and excludes used Products which have not been sold by Moog Videolarm to the Purchaser. All software and accompanying documentation furnished with, or as part of the Product is furnished "AS IS" (i.e., without any warranty of any kind), except where expressly provided otherwise in any documentation or license agreement furnished with the Product. Any cost associated with removal of defective product and installation of replacement product is not included in this warranty.

4. PROOF OF PURCHASE: The Purchaser's dated bill of sale must be retained as evidence of the date of purchase and to establish warranty eligibility.

DISCLAIMER OF WARRANTY

EXCEPT FOR THE FOREGOING WARRANTIES, Moog Videolarm HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO ANY AND/OR ALL IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND/OR ANY WARRANTY WITH REGARD TO ANY CLAIM OF INFRINGEMENT THAT MAY BE PROVIDED IN SECTION 2-312(3) OF THE UNIFORM COMMERCIAL CODE AND/OR IN ANY OTHER COMPARABLE STATE STATUTE. Moog Videolarm HEREBY DISCLAIMS ANY REPRESENTATIONS OR WARRANTY THAT THE PRODUCT IS COMPATIBLE WITH ANY COMBINATION OF NON-Moog Videolarm PRODUCTS OR NON-Moog Videolarm RECOMMENDED PRODUCTS PURCHASER MAY CHOOSE TO CONNECT TO THE PRODUCT.

LIMITATION OF LIABILITY

THE LIABILITY OF Moog Videolarm, IF ANY, AND PURCHASER'S SOLE AND EXCLUSIVE REMEDY FOR DAMAGES FOR ANY CLAIM OF ANY KIND WHATSOEVER, REGARDLESS OF THE LEGAL THEORY AND WHETHER ARISING IN TORT OR CONTRACT, SHALL NOT BE GREATER THAN THE ACTUAL PURCHASE PRICE OF THE PRODUCT WITH RESPECT TO WHICH SUCH CLAIM IS MADE. IN NO EVENT SHALL Moog Videolarm BE LIABLE TO PURCHASER FOR ANY SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION, REIMBURSEMENT OR DAMAGES ON ACCOUNT OF THE LOSS OF PRESENT OR PROSPECTIVE PROFITS OR FOR ANY OTHER REASON WHATSOEVER.

STANDARD INSTALLATION PROCEDURE

INCLUDES MODELS: P1800



Please read these instructions carefully before proceeding, and heed all cautions.

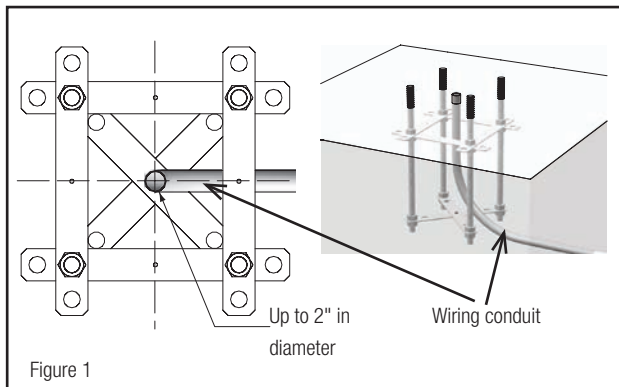


NOTE: If you'll be using the optional PV4 anchor jig, see the attached instructions for assembly of the jig.

Part 1: Site Preparation



NOTE: Special attention must be paid to the size of the wiring conduit and its location within the concrete foundation and jig (if applicable.) The **Wiring Conduit** can be up to 2" in diameter. Use reducers if necessary. Also, make sure that the **Wiring Conduit** is in the center of the foundation and **Anchor Jig** during installation (Figure 1).

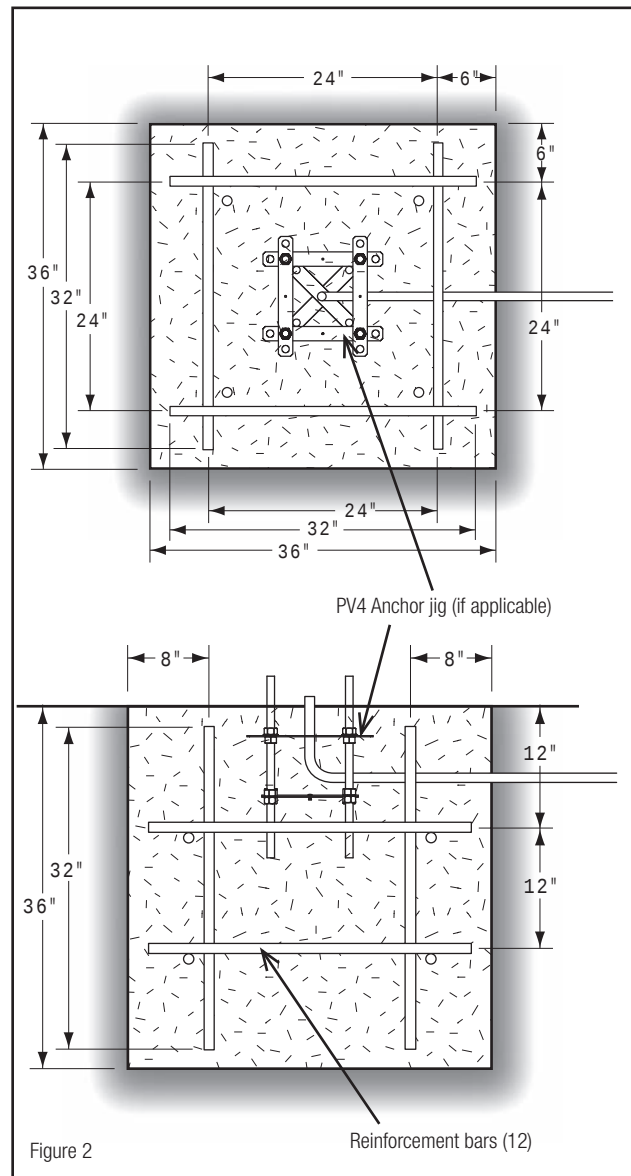


1. Select a suitable site for the P1600 and prepare the pad site using a hole 36" x 36" x 36" deep. The top of the concrete foundation should be flush with the ground.



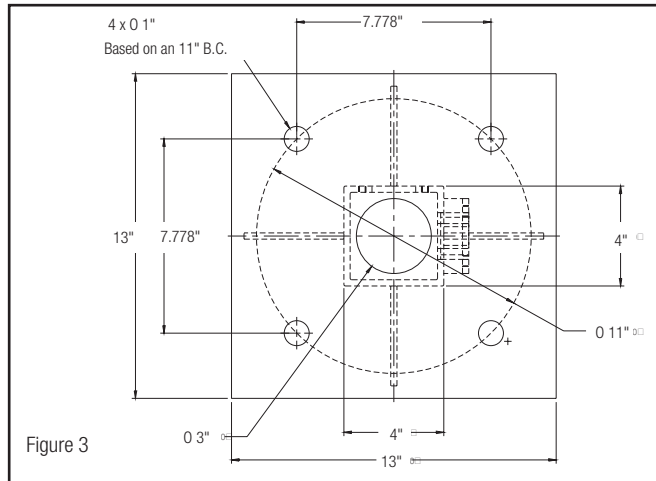
CALL BEFORE DIGGING! Be sure that there are no underground electric or phone cables, gas or water lines in the area where the pole will be located.

2. To help reinforce the concrete foundation, place (12) 1/2" diameter x 32" long Reinforcement Bars ("rebar") as shown in Figure 2. Use suitable preparation methods to place the rebar.



3. FOR ANCHOR BOLT INSTALLATIONS:

Pour concrete per manufacturer's directions, making sure that the wiring conduit is in the center of the pad. See Figure 3 for dimensions of the bolt pattern and suspend appropriate bolts in the concrete around the wiring conduit. Leave 2" to 3" of the **Bolts** protruding above the pad. If you are using leveling nuts, leave 4" to 6" protruding.

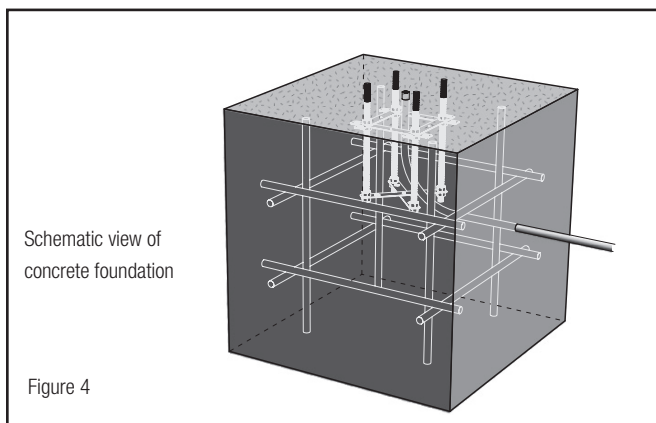


FOR ANCHOR JIG INSTALLATIONS:

Suspend the assembled Anchor Jig in the center of the pad hole (see Figure 2, previous page). Leave 2" to 3" of the Bolts protruding above the pad (unless you're using leveling nuts, see Anchor Jig instructions). Make sure that the Conduit is in the center of the Anchor Jig. Both the jig and the conduit must be securely suspended to prevent shifting when the concrete is poured.

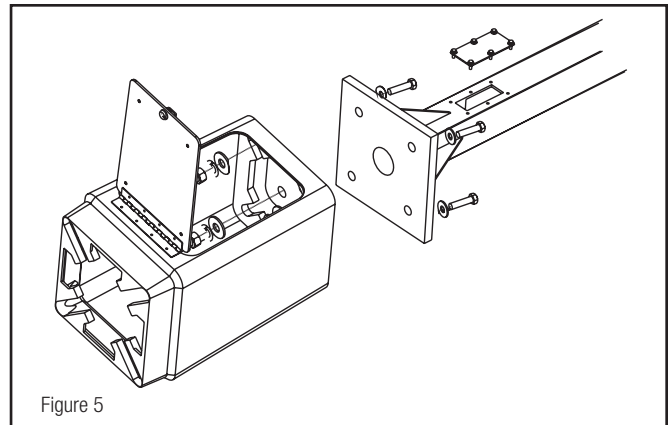


Prepare the concrete per manufacturer's directions. The concrete must have a compressive strength of 3000 psi, and must be fabricated following ACI318-89 requirements. Allow the concrete foundation to cure thoroughly before proceeding with the installation.

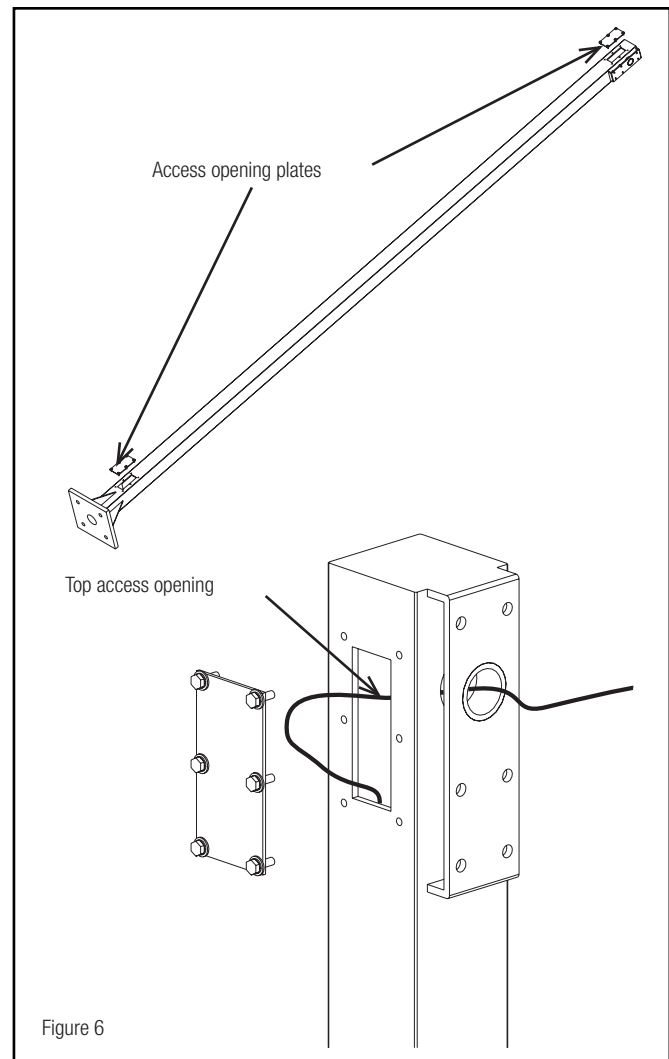


Part 2: Installation

1. Assemble the pole and transformer base using the bolts, nuts, and washers provided (Figure 5).



2. Remove the access opening plates at the bottom and top (Figure 6).
3. Insert the wiring into the transformer base, up into the pole and out of the bottom access opening. Make sure all slack is pulled completely through.
4. Insert connecting wiring into the bottom access opening, run through the pole up to the top access opening. Insert the end through the housing connecting hole. Close the top access opening and make necessary wiring connections at the bottom access opening (Figure 6).



5. Place the pole on the pad with the holes on the Transformer Base aligned with the bolts of the anchor bolts or anchor jig and slowly lift the pole into the upright position (Figure 7).

CAUTION: Pull all slack in the wiring as you lift the pole into position to keep from pinching and possible damage.

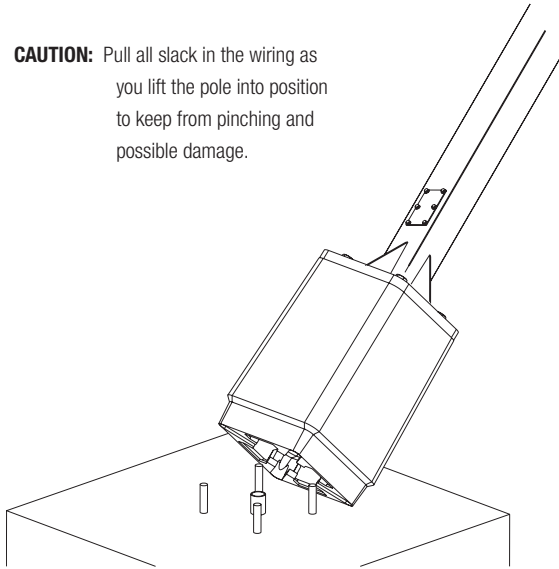


Figure 7

5. Ensure that the pole is vertical on all sides. Use a bubble level or plumb bob to check.

6. Secure the pole to the pad with fasteners (Figure 8).

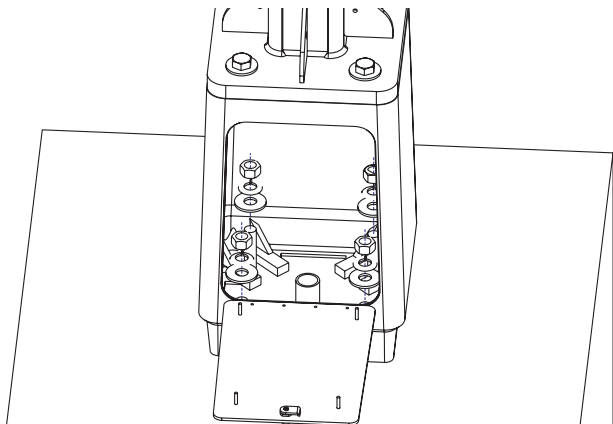


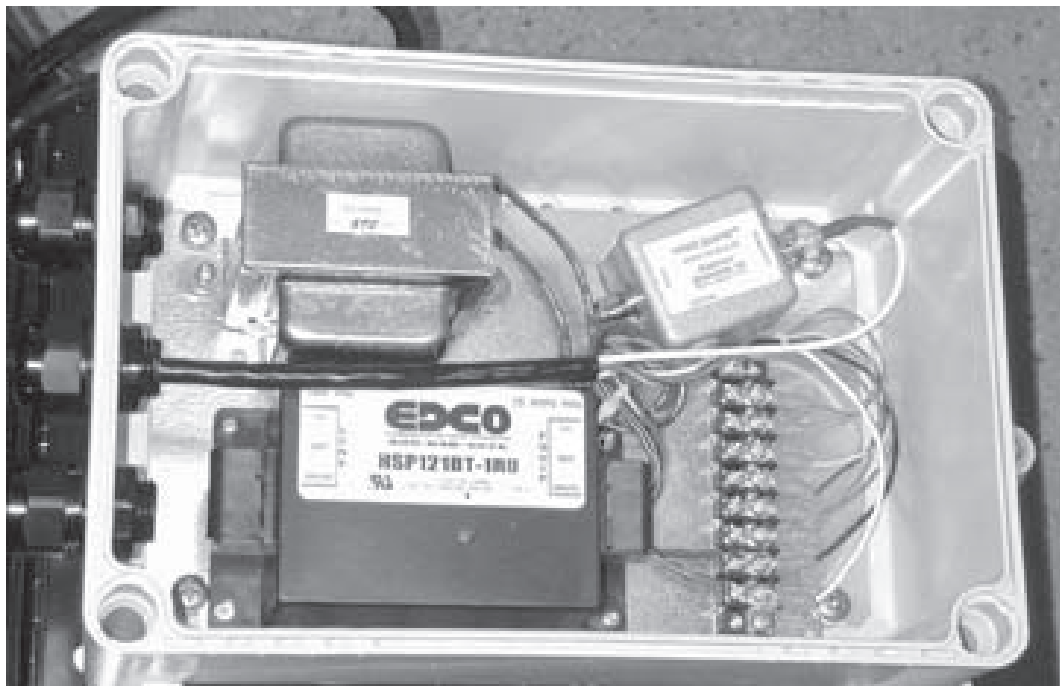
Figure 8

Wiring Inside the NEMA Box

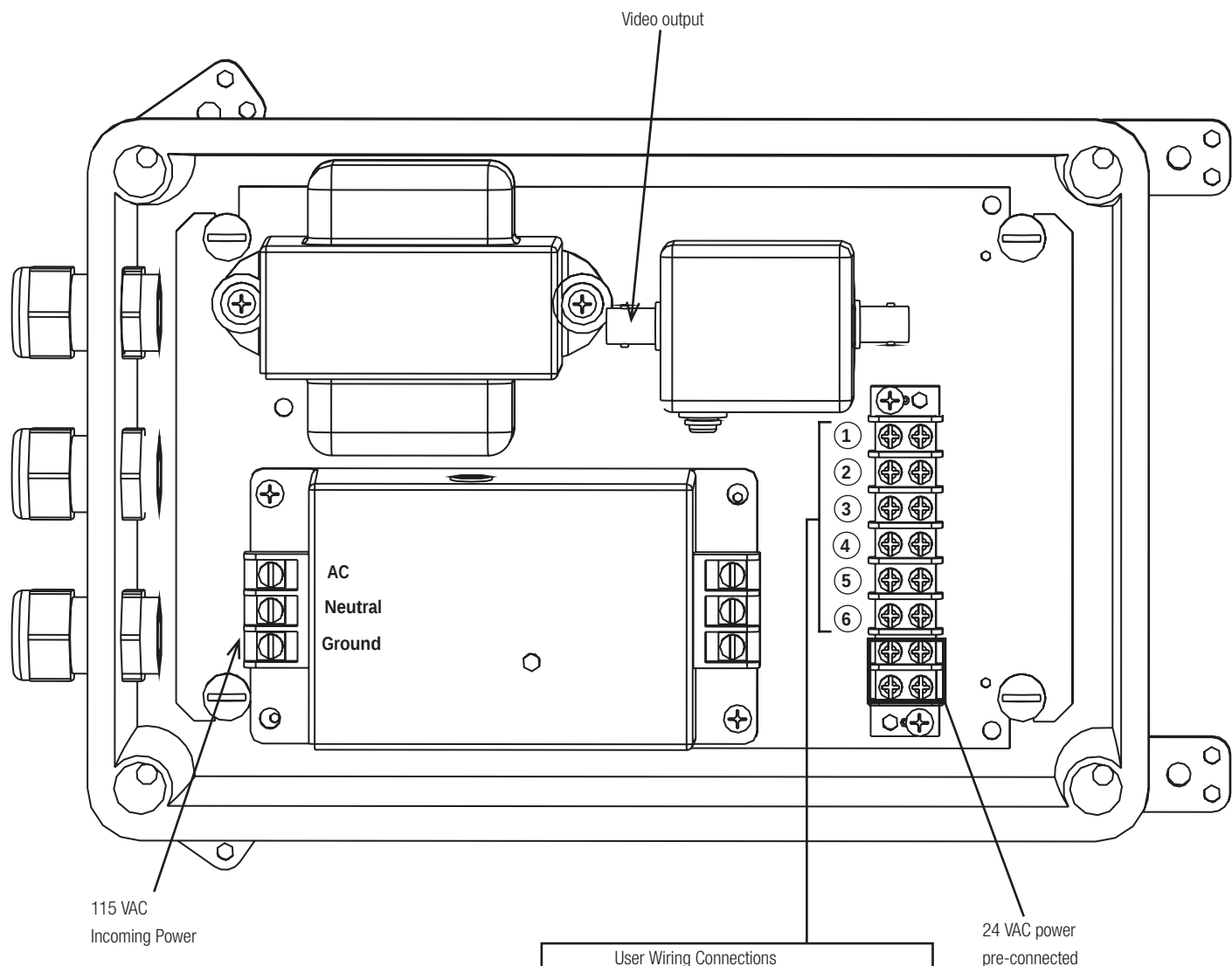


NOTE: This unit **MUST** be grounded. If you do not have ground on the incoming power, you **MUST** run appropriate ground out from the NEMA box

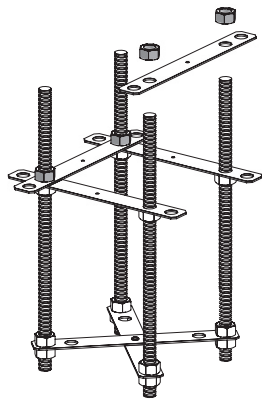
- Run 115 VAC power into the NEMA box through the conduit opening closest to the power transformer. Make the appropriate connections.
- Run video and control into the NEMA box through the conduit opening closest to the surge protector. Connect video output to the surge protector. Connect control wiring to the wiring panel in the top of the NEMA box. Follow the wiring chart on the following page.



NEMA Box Wiring Diagram



User Wiring Connections		
1	RED	RX Control Data
2	ORANGE	RX Control Data
3	YELLOW	TX Control Data
4	GREEN	TX Control Data
5	BLUE	Alarm
6	GRAY	Alarm



Product Registration/Warranty

Thank you for choosing Moog Videolarm. We value your patronage and are solely committed to providing you with the highest quality products available and superior customer service.

Should a problem arise, rest assure that Moog Videolarm stands behind its products by offering impressive warranty plans: 3 Years on all Housings, Poles, Power Supplies, and Accessories and 5 Years on camera systems (SView, QView, Warriors), and InfraRed Illuminators.



Register Your Products Online

Take a few moments and validate your purchase via the Online Product Registration Form at
www.videolarm.com/productregistration.jsp

Register your recent Moog Videolarm purchases and benefit from the following:

- Simple and Trouble-Free RMA process
- Added into customer database to receive product updates / news
- Eliminate the need to archive original purchase documents:
Receipts, Purchase Orders, etc...