

MOOG

VIDEOLARM

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PV16/PV18

PolEvators

www.moogvideolarm.com

Installation and Operation Instructions for the following models:

- | | |
|-------|---|
| PV16N | 16 Foot Lowering Pole includes flexible shaft |
| PV18N | 18 Foot Lowering Pole includes 16 foot aluminum pole with 2 foot transformer base, nema box, transformer and flexible shaft |

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

81-IN5230
06-06-2012

IMPORTANT SAFEGUARDS

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SAFETY PRECAUTIONS

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER- SERVICE- ABLE PARTS INSIDE. REFER SEVICING TO QUALIFIED SERVICE PERSONNEL.		



UNPACKING

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SERVICE

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.



IMPORTANT SAFEGUARDS



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

1. At 150 lbs. the **PolElevator™** is capable of being erected by 2 adults with not lifting equipment. However, to prevent personal injury or damage to the pole, **EXTREME CAUTION** should be used when lifting the pole.
2. DO NOT erect the pole in high wind, during periods of lightning, or in icy conditions.
3. DO NOT operate the pole carriage when the pole is in a horizontal position.



Lea por favor estas instrucciones cuidadosamente antes el procedimiento, y presta atención a todas las precauciones.

1. En 150 libras, el **PolElevator™** es capaz de la erección por 2 adultos con el equipo de elevación. Sin embargo, a prevenga los daños corporales o el daño al poste, La **PRECAUCIÓN EXTREMA** debe ser utilizada al levantar poste.
2. No erija el poste en fuerte viento, durante períodos de relámpago, o en condiciones heladas.
3. No funcione el carro del poste cuando el poste está adentro una posición horizontal.



Veuillez lire ces instructions soigneusement avant la marche à suivre, et observent toutes les attentions.

1. À 150 livres, le **PolElevator™** est capable de l'érection par 2 adultes avec l'équipement de levage. Cependant, à empêchez le dommage corporel ou les dommages au poteau, **L'ATTENTION EXTREME** devrait être employée en se soulevant poteau.
2. N'ériges pas le poteau en fort vent, au cours des périodes de foudre, ou en conditions glaciales.
3. N'actionnez pas le chariot de poteau quand le poteau est dedans une position horizontale.



Lesen Sie bitte diese Anweisungen sorgfältig vorher das Verfahren und beachten alle Vorsichtsmaßnahmen.

1. Bei 150 lbs. das **PolElevator™** ist zu aufgerichtet werden fähig durch 2 Erwachsene mit nicht Hebezeug. Jedoch zu verhindern Sie Personenschaden oder Schaden des Pfostens, **EXTREME VORSICHT** sollte beim Anheben verwendet werden Pfosten.
2. Richten Sie den Pfosten im starken Wind, NICHT während der Zeiträume von auf Blitz oder in den eisigen Bedingungen.
3. Betreiben Sie NICHT den Pfostenwagen, wenn der Pfosten innen ist eine horizontale Position.



Leia por favor estas instruções com cuidado antes prosiguer, e observa todos os cuidados.

1. Em 150 libras, o **PolElevator™** é capaz da erecção por 2 adultos com equipamento de levantamento. Entretanto, a impeça ferimento pessoal ou dano ao pólo, **O CUIDADO EXTREMO** deve ser usado ao levantar pólo.
2. Não erija o pólo no vento forte, durante períodos de relâmpago, ou em circunstâncias geladas.
3. Não opere a carruagem do pólo quando o pólo está dentro uma posição horizontal.



Legga prego con attenzione prima queste istruzioni la continuazione e fa attenzione a tutte le avvertenze.

1. A 150 libbre, il **PolElevator™** è capace di costruzione da 2 adulti con l'apparecchiatura di sollevamento. Tuttavia, a prevenga danni la ferita personale o to il palo, **L'ATTENZIONE ESTREMA** dovrebbe essere usata quando alza palo.
2. Non eriga il palo in vento forte, durante i periodi di lampo, o nelle circostanze ghiacciate.
3. Non faccia funzionare il carrello del palo quando il palo è dentro una posizione orizzontale.



Note: For installation of PV1 Lightning Rod see Instruction manual 81-IN5256.



Nota: Para la instalación del pararrayos PV1 vea la instrucción 81-IN5256 manual.



Note : Pour l'installation du paratonnerre PV1 voir l'instruction 81-IN5256 manuel.



Anmerkung: Für Installation des Blitzableiters PV1 sehen Sie Anweisung manuelles 81-IN5256.



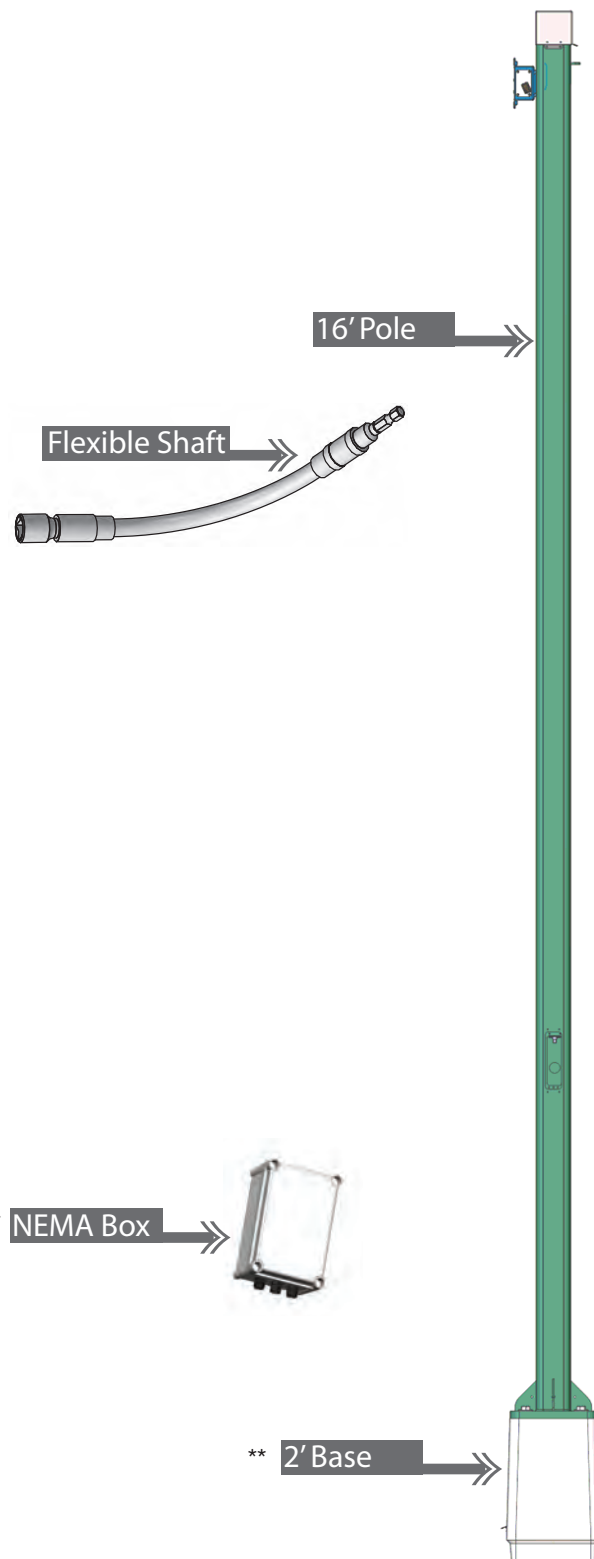
Nota: Para a instalação PV1 do relâmpago Rod veja a instrução 81-IN5256 manual.



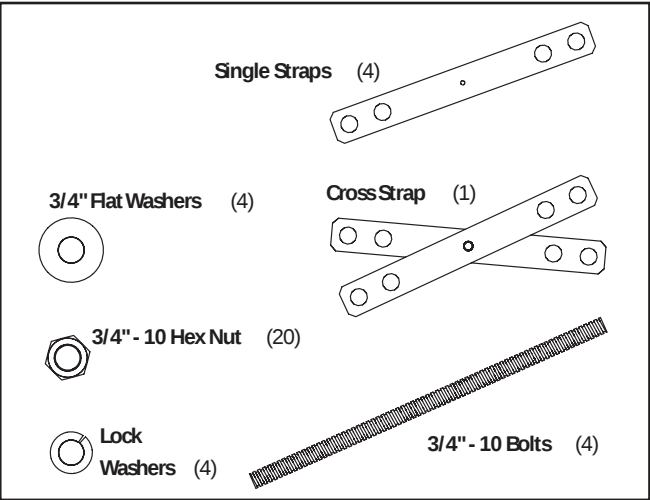
Nota: Per installazione del parafulmine PV1 vedi la manuale d'istruzione 81-IN5256.



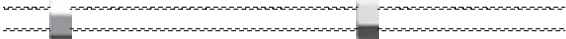
Content of Box



**** NEMA Box and Base included with PV18N ONLY**

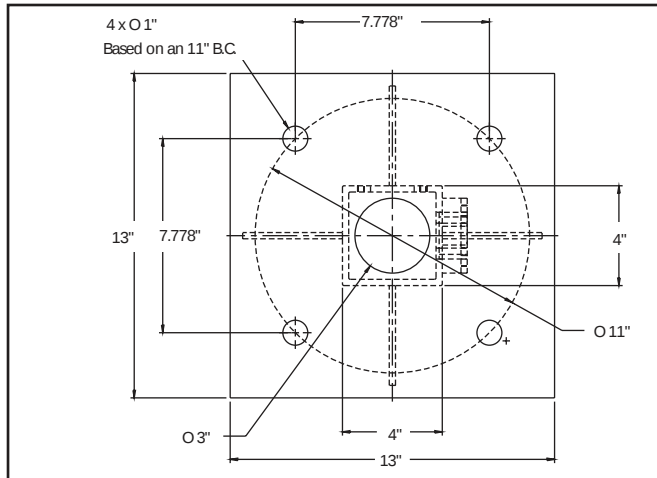


CAUTION: To prevent corrosion; never mix galvanized hardware with stainless steel hardware!



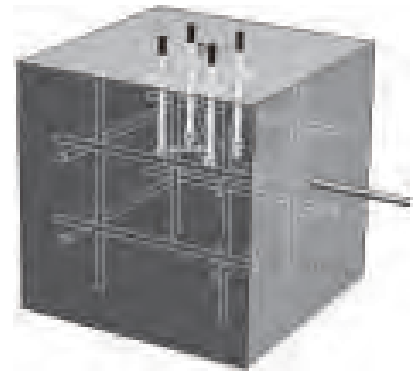
FOR ANCHOR BOLT INSTALLATIONS:

Pour concrete per manufacturer's directions. See Figure 8 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.

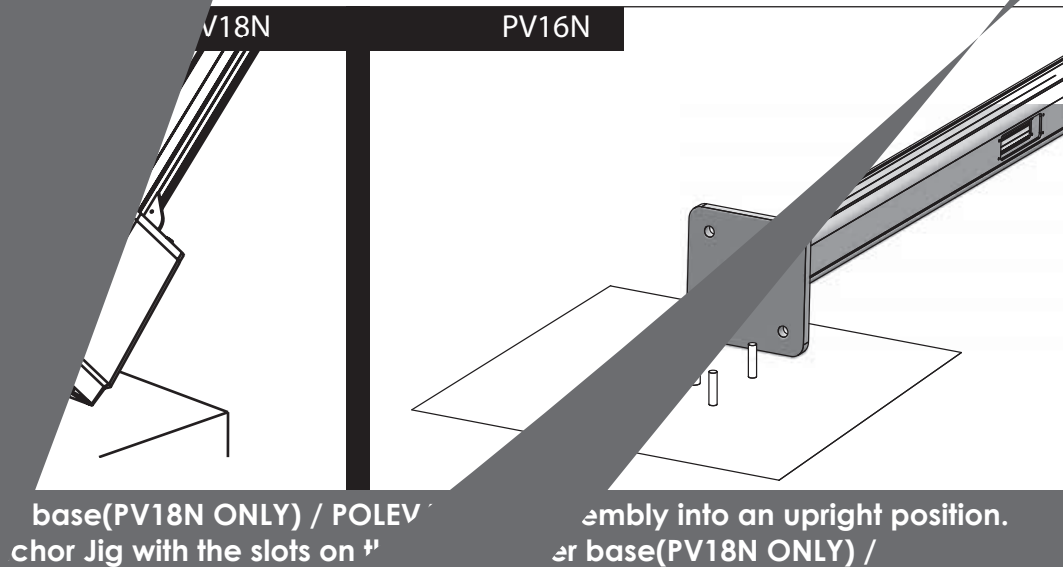


Prepare the concrete per manufacturer's directions. The concrete must have a compressive strength of 3000 psi, and must be fabricated following ACI318-89 requirements. Allow the concrete foundation to cure thoroughly before proceeding with the installation.

Schematic view of concrete foundation



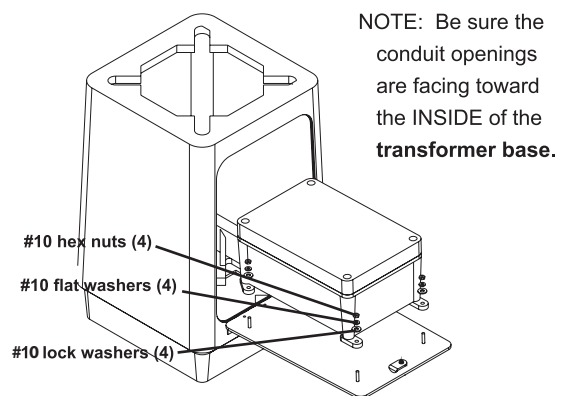
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PV18N ONLY

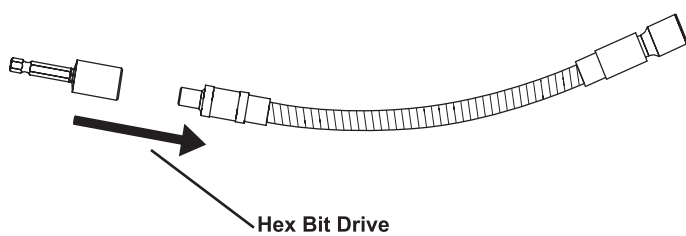
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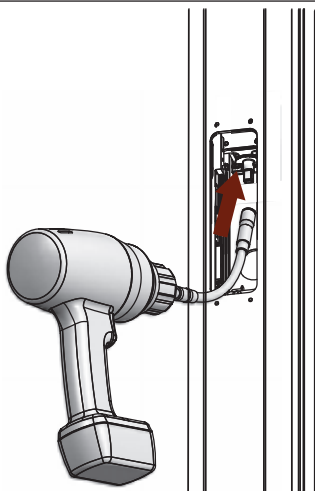


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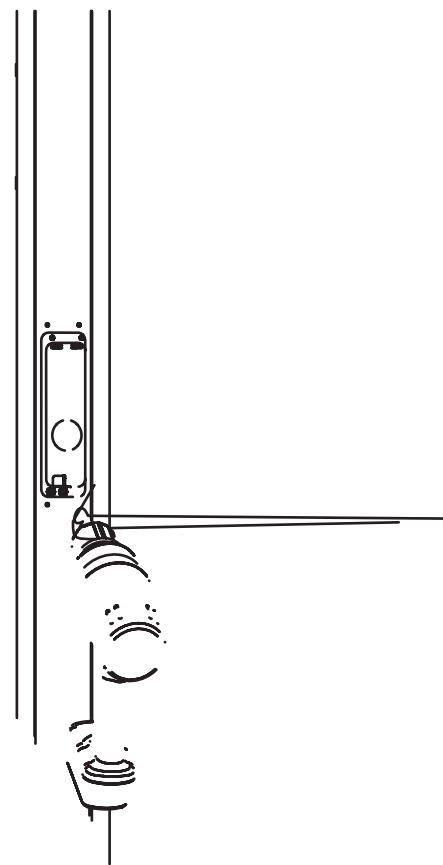


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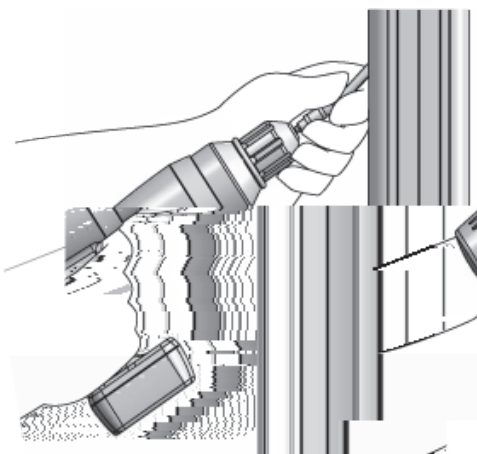
- Attach the hex shank end of the **Flexible Shaft** to a drill.
- Attach the square drive end of the **Flexible Shaft** to the **Drive Shaft**.

Note : Drill must be in **FORWARD** to lower the **Carriage Plate**.



- Make sure the drill is in the **FORWARD** position before activating.
- Activate the drill and lower the **Carriage Plate**. **DO NOT RUN ON FAST SPEED!** Lowering at slow speed will only take two to three minutes.

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Hold the Flexible Shaft's casing to prevent spinning of the casing. A spinning casing could damage wires that come in contact with the Flexible Shaft.

- Sostenga la cubierta del eje flexible para prevenir el giro de la cubierta. Una cubierta de giro podía dañar alambres que entran en contacto con el eje flexible.
- Tenez l'enveloppe d'axe flexible pour empêcher la rotation de l'enveloppe. Une enveloppe de rotation a pu endommager fils qui contactent l'axe flexible.
- Halten Sie das Gehäuse der flexiblen Welle, um das Spinnen des Gehäuses zu verhindern. Ein spinnendes Gehäuse konnte beschädigen Drähte, die mit die flexible Welle in Berührung kommen.
- Prenda a embalagem de eixo flexível para impedir o giro da embalagem. Uma embalagem de giro podia danificar fios que vêm em contacto com o eixo flexível.
- Tenga l'intelaiatura dell'albero flessibile per impedire la filatura dell'intelaiatura. Un'intelaiatura di filatura ha potuto danneggiare legare che contattano l'albero flessibile.

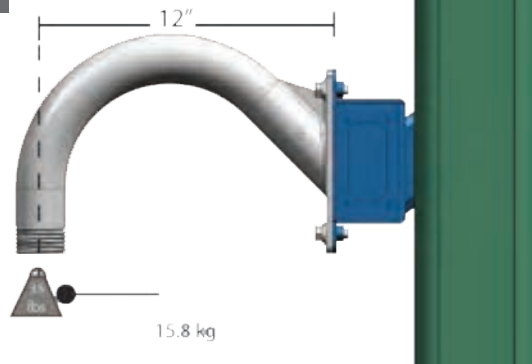
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• Mount the housing Bracket / Dome to pole per manufacturer instructions.

- Monte el soporte/la bóveda de la cubierta al poste por instrucciones del fabricante.
- Montez la parenthèse/dôme de logement au poteau par instructions de fabricant.
- Bringen Sie den Gehäuse Haltewinkel/die Haube zum Pfosten pro Herstelleranweisungen an.
- Monte o suporte/abóbada da carcaça ao pólo por instruções do fabricante.
- Monti la staffa/cupola dell'alloggiamento al palo per istruzioni del fornitore.

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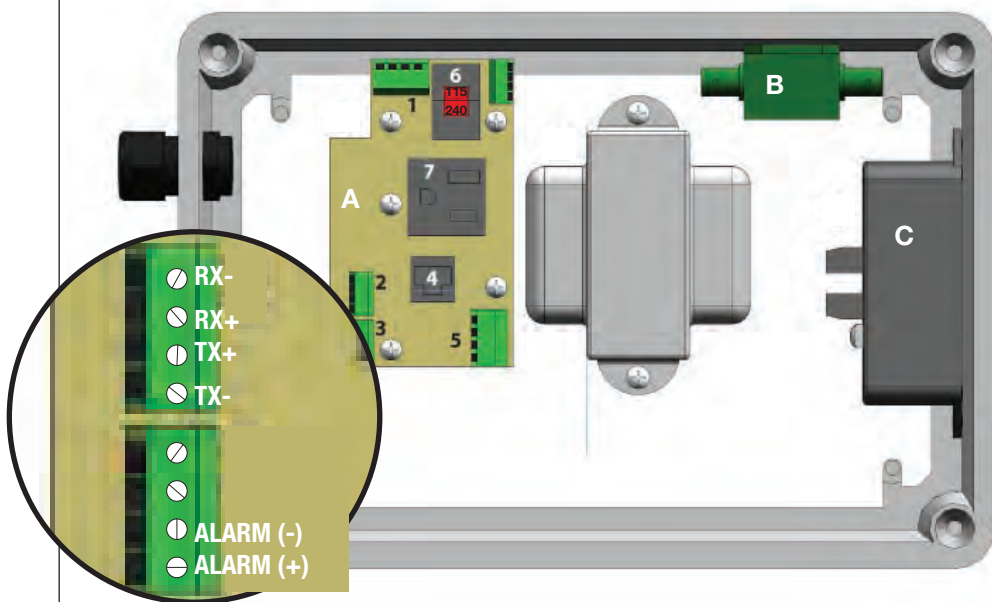
• Do not add more than 35lbs or extend out more than 12". Use 3/8 x 16 screws to the appropriate length for mounting.

- No agregue más que 35lbs ni extienda hacia fuera más de 12". Utilice 3/8 x 16 tornillos a la longitud apropiada para el montaje.
- N'ajoutez pas plus que 35lbs ou ne prolongez pas dehors plus de 12 ». Utilisez 3/8 x 16 vis à la longueur appropriée pour le support.
- Fügen Sie nicht mehr als 35lbs hinzu oder verlängern Sie heraus mehr als 12". Benutzen Sie 3/8 x 16 Schrauben zur passenden Länge für Montage.
- Não adicione mais do que 35lbs nem os estenda para fora mais de 12". Use 3/8 x 16 parafusos ao comprimento apropriado para a montagem.
- Non aggiunga più di 35lbs o non estenda fuori più di 12". Utilizzi 3/8 x 16 di viti alla lunghezza adatta per il montaggio.

PV18N ONLY

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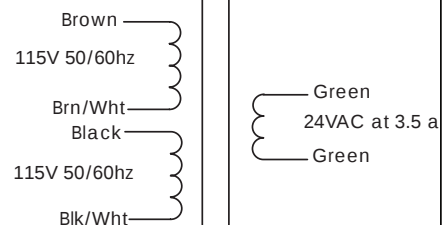
NEMA Box Wiring Diagram



	Description
A	Connector Board
B	Video Surge
C	Communication Surge
1	GND, N, L
2	RX-RX+TX+TX-
3	ALR- ALR+
4	For Analog use ONLY
5	GND, N, L
6	115/240

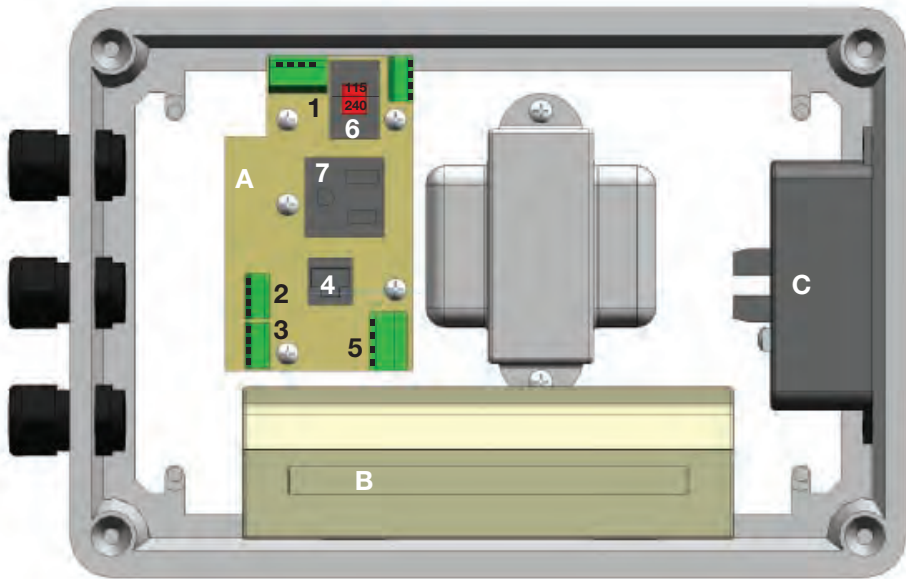
RX+	BLUE
RX-	BLUE/WHITE
TX+	ORANGE
TX-	ORANGE/WHITE
ALARM+	BROWN
ALARM -	BROWN/WHITE

Transformer Wiring

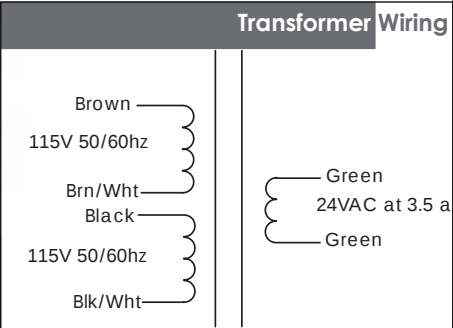


(*) Connect directly to incoming line.

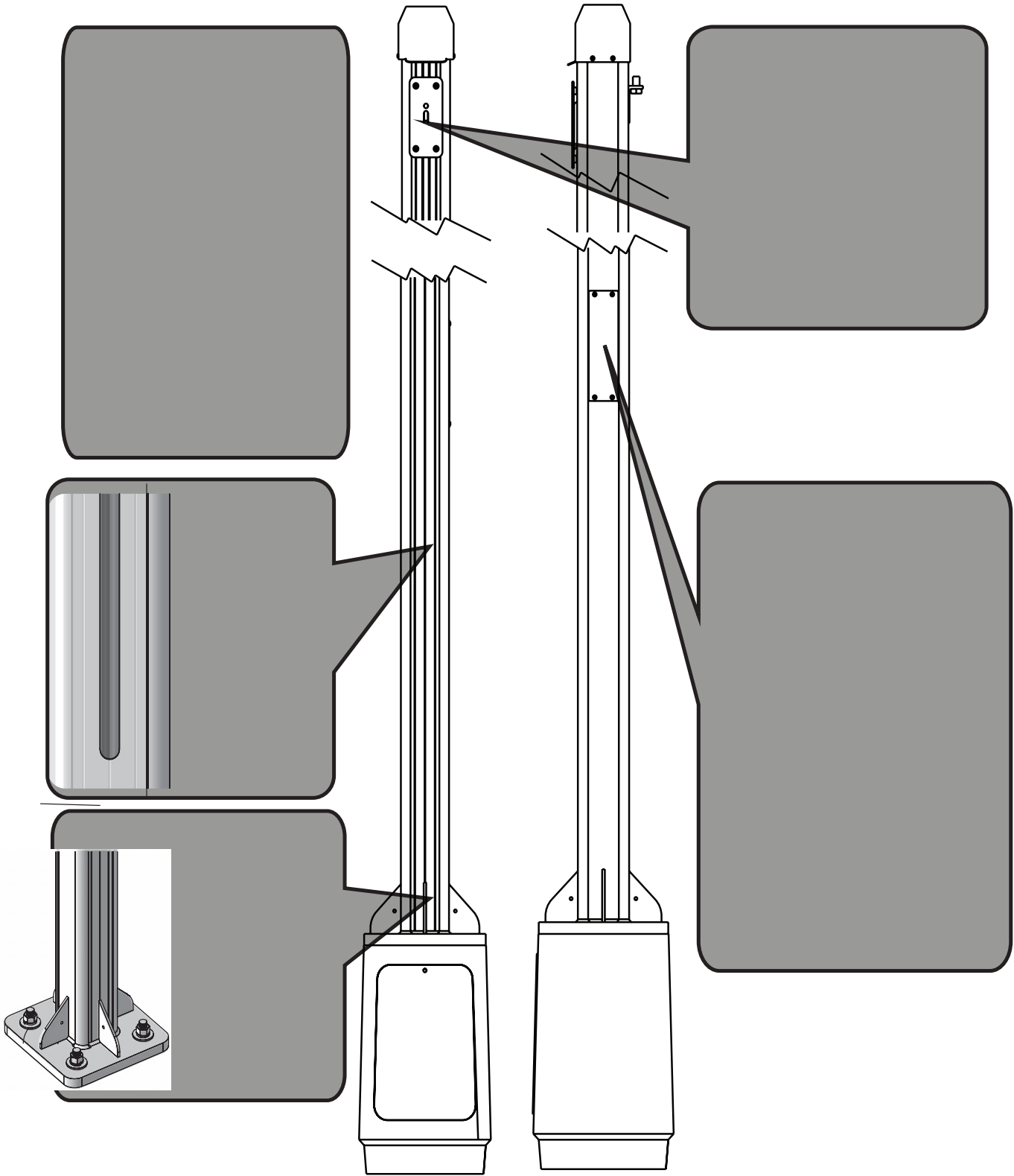
*(Standard wiring from factory set for 110 VAC input. For 220 input contact factory for alternate wiring).



	Description
A	Connector Board
B	Midspan
C	Communication Surge
1	GND, N, L
2	RX-RX+TX+TX-
3	ALR- ALR+
4	For Analog use ONLY
5	GND, N, L
6	115/240



(*) Connect directly to incoming line.
*(Standard wiring from factory set for 110 VAC input. For 220 input contact factory for alternate wiring).



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...