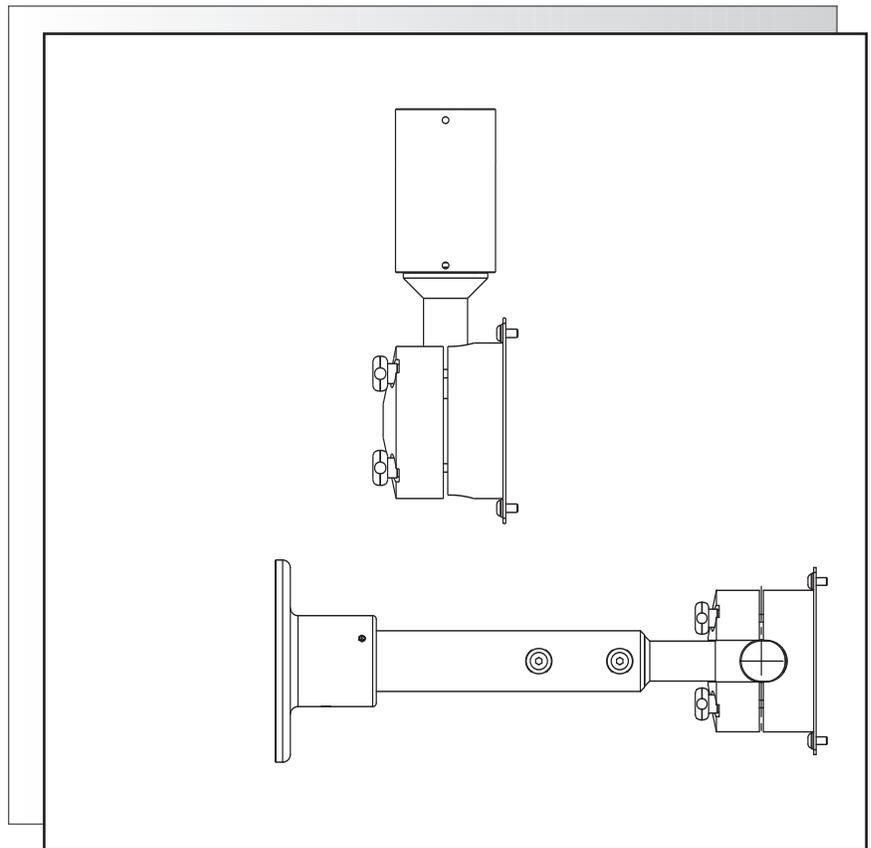


**CRYSTALVUE™  
PUBLIC VIEW DISPLAY (PVD)  
FEED THROUGH MOUNTS**



**FEED THROUGH MOUNT SERIES**

## SAFETY PRECAUTIONS



The exclamation point within an equilateral triangle is intended to alert the user to presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

## SECURITE



Le point d'exclamation à l'intérieur d'un triangle équilatéral avertit l'utilisateur de la présence d'instructions importantes d'utilisation et de maintenance dans la documentation accompagnant l'appareil.

## SICHERHEITSVORKENHRUNGEN



Das Ausrufezeichen in dem gleichseitigen Dreieck ist dazu da, den Benutzer auf wichtige Inbetriebnahme- und Instandhaltungs-vorschriften hinzuweisen, die dem Gerät in Form einer Broschüre beigelegt sind.

## PRECAUCIONES DE SEGURIDAD



El símbolo de exclamación dentro de un triángulo equilátero, se muestra con el objetivo de alertar al usuario de que instrucciones de operación y mantenimiento importantes acompañan al equipo.

## 1 UNPACKING

Unpack carefully. Check for the following items:

- Verify the unit model number.
- Verify that parts shown below have been included.

### 1.1 MTFPF12F-

- I MTFPF12F- Mount
- I VESA Hardware Kit
  - 4 10-24x3/8" BHC SS patch lock screws
  - 4 washers

### 1.2 MTFPF10P-

- I MTFPF10P- Mount
- I VESA Hardware Kit
  - 4 10-24x3/8" BHC SS patch lock screws
  - 4 washers

### 1.3 MTFP3F10P-

- I MTFP3F10P- Mount
- I VESA Hardware Kit
  - 4 10-24x3/8" BHC SS patch lock screws
  - 4 washers

If an item appears to have been damaged in shipment, replace it properly in its carton and notify the shipper. If any items are missing, notify Aigis Mechatronics.

The shipping carton is the safest container in which the unit may be transported. Save it for possible future use.

## 2 SERVICE

If the unit ever needs repair service contact Aigis Mechtronics.

## 3 DESCRIPTION

The feed through mount series is designed to permit the installation of the CrystalVue™ PublicView Display to a wall or threaded pipe. These mounts are capable of supporting the total weight of equipment installed. The **maximum load** carrying capacity for the MTFPF12F- and the MTFPF10P- is 25lbs. The **maximum load** carrying capacity for the MTFP3F10P- is 45lbs.

## 4 INSTALLATION

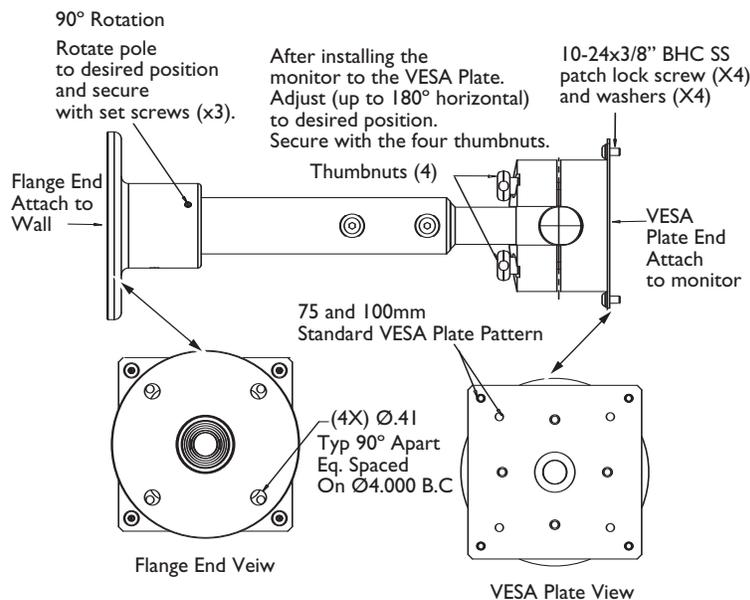
**Attention:** Installation should be performed by qualified service personnel only in accordance with applicable local codes.



**CAUTION:** Do not exceed the **Maximum Rated Load** for the particular mount used.

### 4.1 Mounting MTFPF12F-

1. Feed the cables, from the back of the monitor, through the center hole of the VESA plate.
2. Mount VESA plate end of the MTFPF12F- to the monitor using the screws provided in the hardware kit.
3. Mount the flange end of the MTFPF12F- to the wall using the appropriate fasteners (not provided).  
**Note:** It is recommended to use four (4) 3/8" bolts.
4. Make necessary adjustments to the pole and secure using the three (3) set screws.
5. Adjust the monitor to the desired position and secure using the four (4) thumbnuts. See **Figure 1**.



**Figure 1: Mounting the MTFPF12F-**

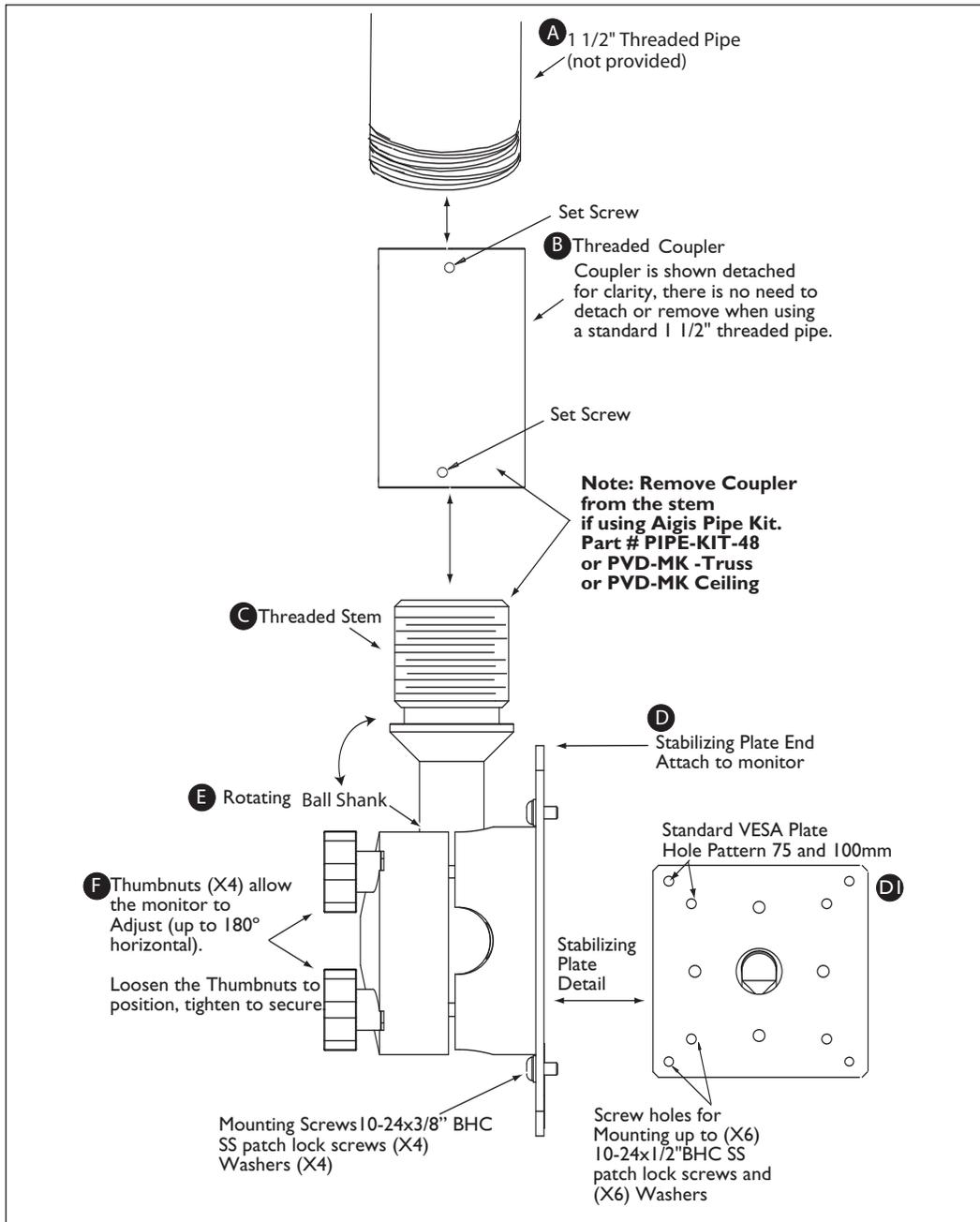
## 4.2 Mounting the MTFPF10P- & the MTFP3F10P-

### 4.2.1 Components of the MTFPF10P- and the MTFP3F10P-

1. The MTFPF10P- and the MTFP3F10P- are feed-thru mounting systems designed to mount the CrystalVue™ Public View Display (PVD) in combination with a 1 1/2" threaded pipe (A).
2. The MTFPF10P- series is designed to mount monitors between 20 and 26 inches in diameter.
3. The MTFP3F10P- is designed to work with larger monitors between 32 and 37 inches in diameter.
4. The main difference between the two mounts is the size of the stabilizing plate (D).
5. Both mounts use a standard VESA hole pattern (D1) but the stabilizing plate of the MTFPF10P- measures 4.63" X 4.63" square while the MTFP3F10P- measures 6" X 6" square.

For exact dimensions see the section **Dimensional Outlines** at the back of this book.

6. Both the MTFPF10P- and the MTFP3F10P- have a pre-threaded coupler (B) installed to allow a 1 1/2" threaded pipe to attach seamlessly to the mount.
7. The threaded stem (C) and ball shank (E) rotate to change the orientation of PVD Screen and can be easily adjusted using the thumbnuts (F) located on the back of the mount.
8. If the Aigis part number PIPE-KIT-48 (purchased separately) will be used with either of these mounts remove the coupler (B) before installation.



**Components of the MTFPF10P- and the MTFP3F10P-**

## 4.2.2 Pipe Mount Descriptions

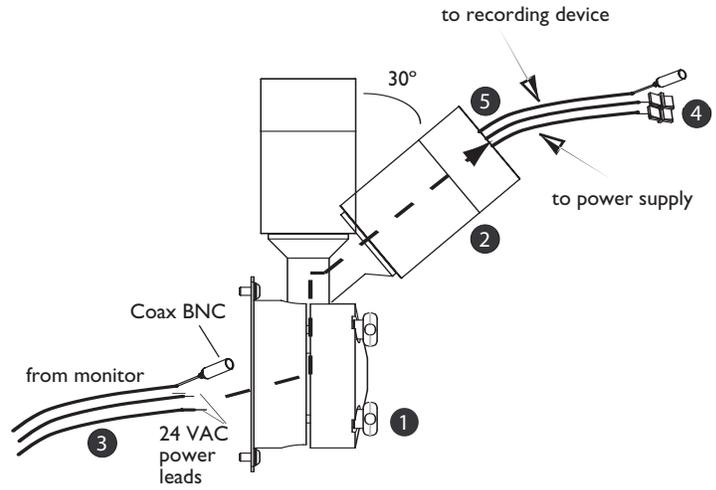
To ensure the proper installation, the mounting process has been broken down into two separate sections. Please read the descriptions below and use the section that pertains to the type of pipe being used.

**Section 4.2.3** will explain installations utilizing a pipe that can be freely rotated during the mounting process. This allows for the pipe to be rotated clockwise to fit into the coupler and NOT by rotating the mount attached to the monitor.

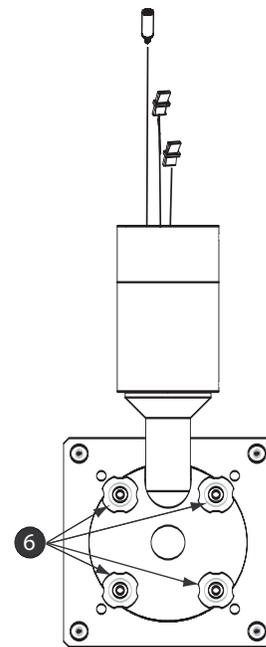
**Section 4.2.4** will explain installations using a pipe that is fixed or stationary (unable to rotate) during the mounting process.

### 4.2.3 Mounting to a Freely Rotating Pipe

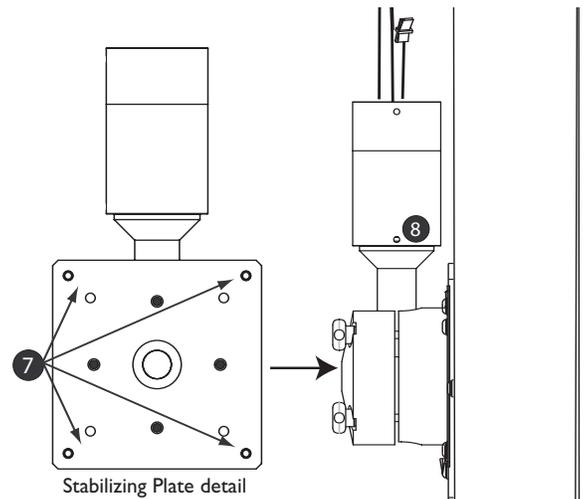
1. Begin by first loosening the four (4) thumbnuts to allow the coupler and ball shank to rotate freely.
2. Tilt the coupler approximately 30° to allow the leads to feed through from the monitor.
3. Feed the leads from the back of the PVD into the middle of the stabilizing plate hole; then thread through the mount. Pull the leads through the top of the coupler leaving six inches of wire and cabling exposed.
4. Connect one (1) grey Wago clamp to the end of each power lead.
5. It may be necessary to temporarily tape the leads to the top of the coupler to secure the leads from slipping back through the mount.



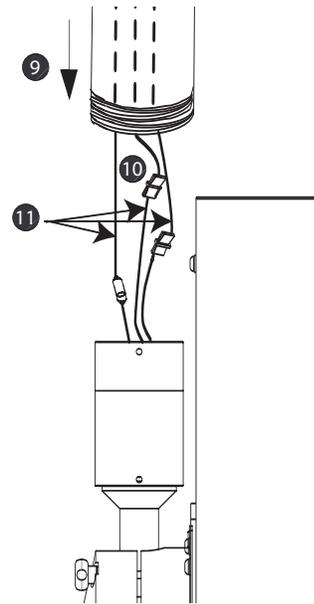
6. Rotate the coupler end to the 12 o'clock position. Then tighten the thumbnuts.



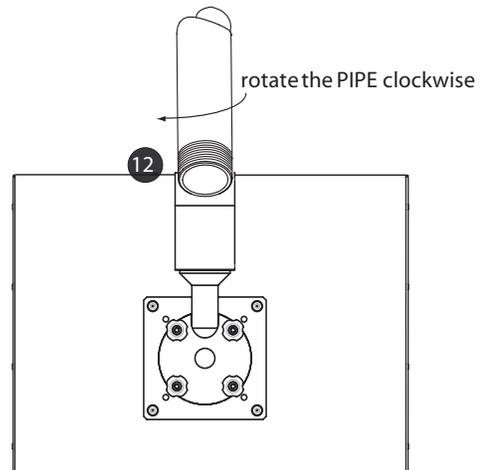
7. Attach the stabilizing plate to the CrystalVue™ PVD using the four (4) screws and four (4) washers provided in the hardware kit. Tighten securely.
8. Tighten the set screw to secure.



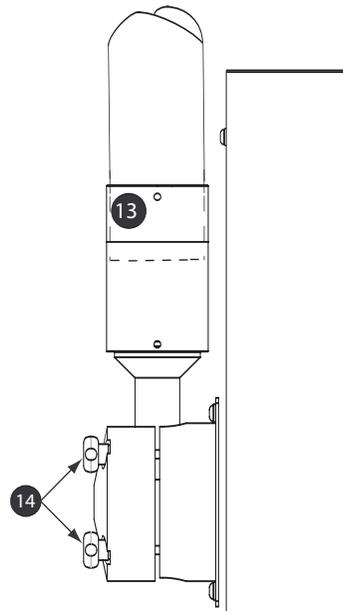
9. Feed the external power wires from the power supply and the Coax BNC (if used) down through the pipe.  
Leave at least 6 inches of the power and 12 inches of the BNC cable exposed. Stagger the length of the power wires by stripping the outer jacket back 4-inches. Cut one lead 2-inches. Strip the ends of each lead 3/8-inch to 1/2-inch to allow for connections.
10. Remove the tape from the cables on the PVD. Connect the power leads from the pipe to the unused end of each wago connector from the PVD. Connect the coax BNC connector (if used).
11. Tie all the leads together near the wago connectors. This will allow for them to easily slide up through the pipe and not become disconnected.



12. Turn the PIPE (NOT the PVD), into the threaded coupler by turning clockwise. DO NOT rotate the PVD unit.

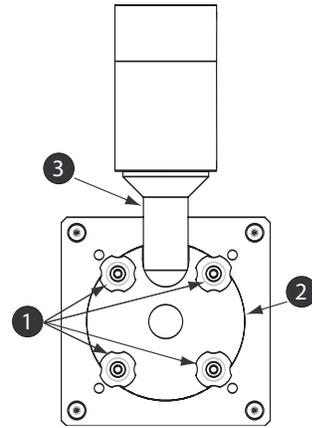


13. Tighten the set screw to secure the coupler to the threaded pipe.
14. Adjust the monitor to the desired position and secure using the four (4) thumbnuts.

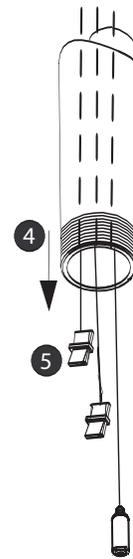


#### 4.2.4 Mounting to a Stationary Pipe Mount

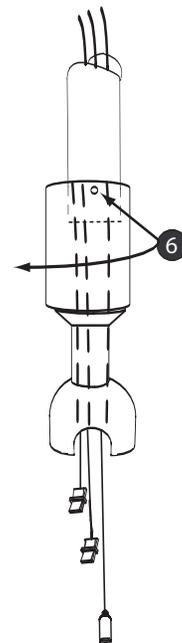
1. Remove the four (4) thumbnuts and washers from the back of the stabilizing plate.
2. Separate the back cap from the stabilizing plate to expose the ball shank. Set aside the thumbnuts, washers and back cap.
3. Remove the ball shank and coupler from the stabilizing plate.



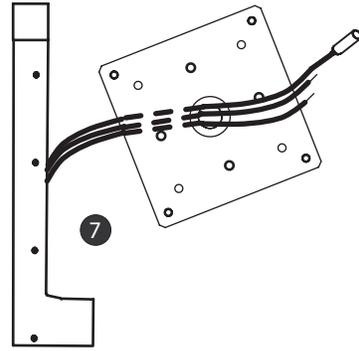
4. Feed the power wires from the power supply and the Coax BNC cable (if used) through the Pipe.  
Leave 10-inches of the power cables exposed, leave 15-inches of the BNC cable hanging from the end of the pipe. Stagger the length of the power wires by stripping the outer jacket back 4-inches. Cut one lead 2-inches. Strip the ends of each lead 3/8-inch to 1/2-inch to allow for connections.
5. Connect one (1) grey Wago clamp to the end of each power lead.



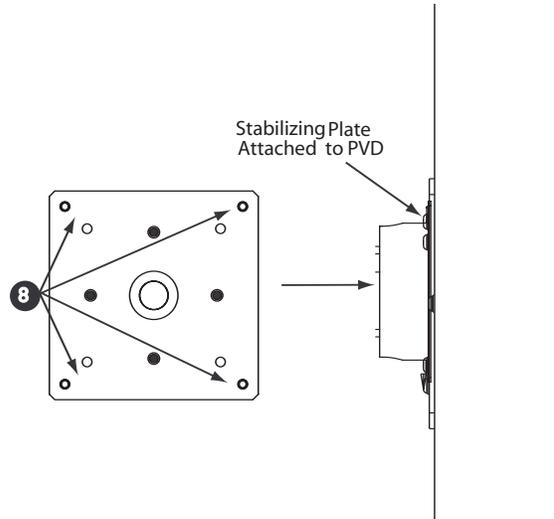
6. Rotate the coupler onto the threaded pipe and tighten the top set screw to secure.



7. Feed the Power wires and the BNC Coax from the PVD through the hole in the stabilizing plate.

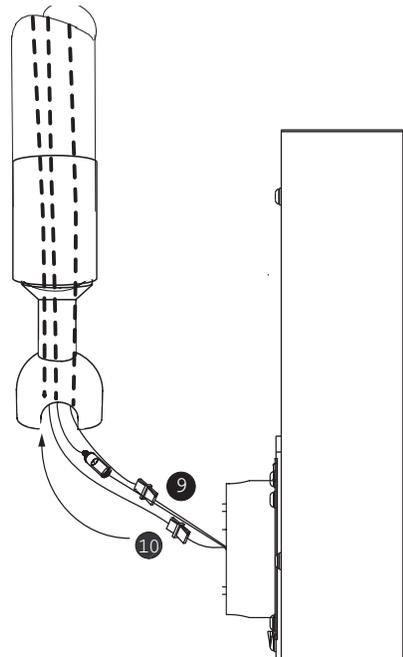


8. Attach the stabilizing plate to the CrystalVue™ PVD using the four (4) screws and four (4) washers provided in the hardware kit. Tighten securely.

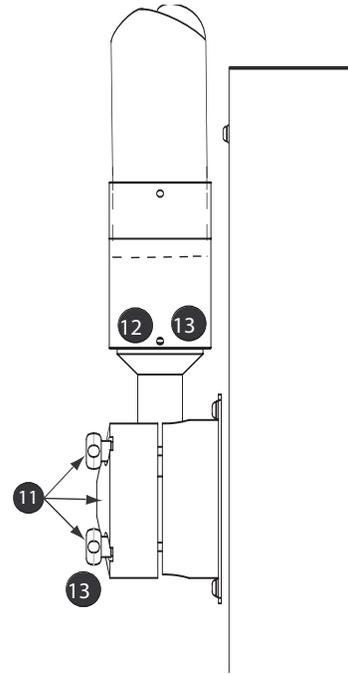


Note: To connect the wires it may require 2 people to complete this step. Have one person hold the PVD while the other makes the connections.

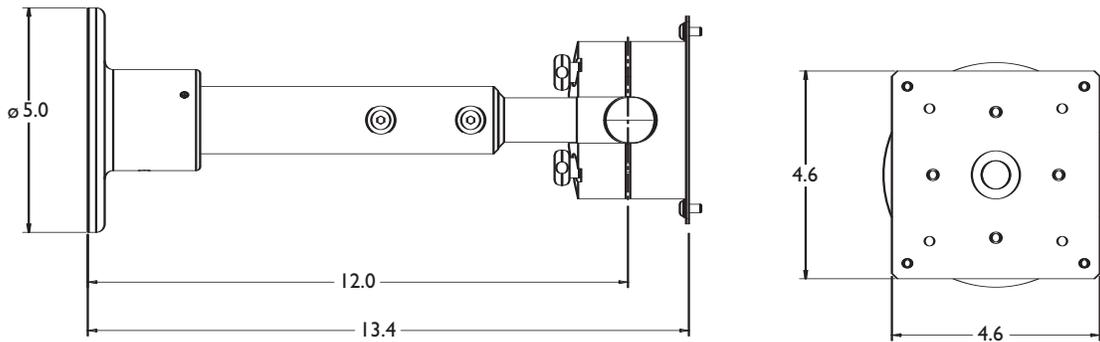
9. To make the wire and cable connections hold the PVD up to the wires coming from the pipe.  
Connect the power wires from the PVD to the unused end of the Wago connector from the pipe.  
Connect the male and female ends the BNC coax (if used).
10. Tie all the leads together near the wago connectors. This will allow for them to easily slide up through the pipe and not become disconnected. Push the excess wires into the pipe.



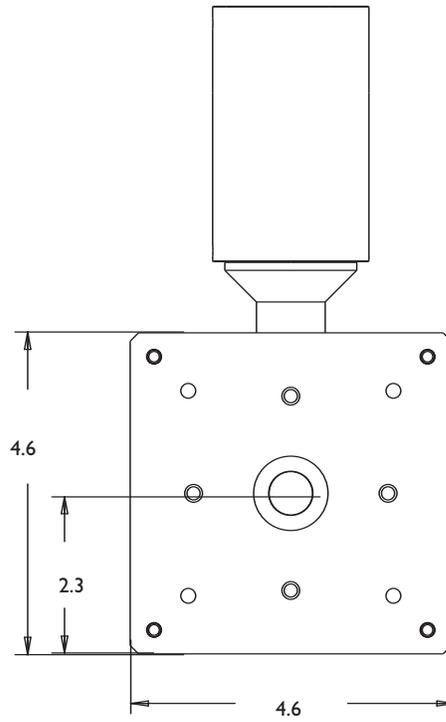
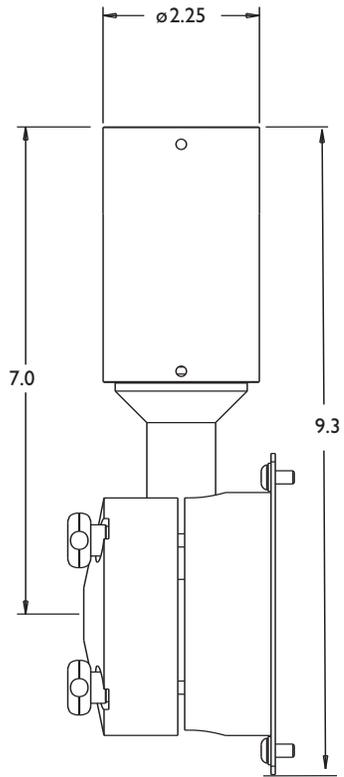
11. Re-attach the back cap, washers and thumbnuts to the stabilizing plate. Tighten the thumbnuts enough to allow the PVD to stabilize but still allowing movement for adjustments to the orientation of the screen for maximum viewing.
12. Additional position adjustments are made by loosening the bottom set screw to rotate the monitor up to 180°.
13. Tighten the bottom set screw and the four (4) thumbnuts after all adjustments are complete.



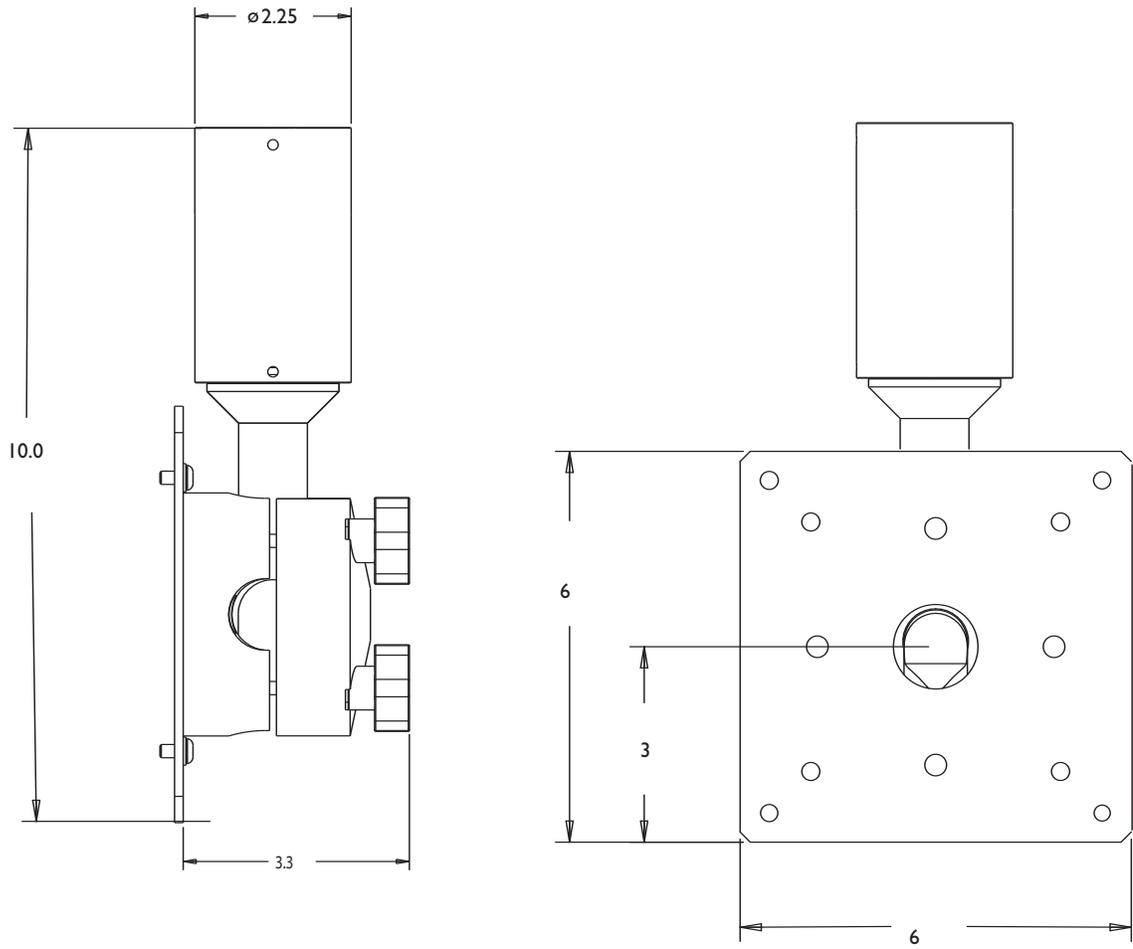
## 5 DIMENSIONAL OUTLINES



**Dimensional Outline MTFPF12F-**



**Dimensional Outline MTFPF10P-**



**Dimensional Outline MTFP3F10P-**



©2005 Aigis Mechtronics  
1124 Louise Road Winston-Salem, NC 27107  
Tel: 336.785.7740 Fax: 336.785.7744  
[www.aigismech.com](http://www.aigismech.com)  
Data subject to change without notice

100 0137 002 AIG 11/06  
Printed in U.S.A.