

AJAX Motion Detector Wall/Pole Mount 80808 Installation

- 1) The 80808 Mount Assembly is compatible with both the AJAX MotionCam and Motion Protect Outdoor Motion Detectors. You will require the Detector, SmartBracket Mounting Panel, four 8g x 30mm Long screws, the SmartBracket mounting panel retainer screw, a stainless steel hose clamp, to suit the diameter of the pole no wider then 14mm, not supplied and the all parts that came with the 80808 Mount.
- 2) The first thing that needs to be done prior to assembly and installation is to drill four holes in the SmartBracket mounting panel. These holes are 4mm in diameter, and pass through where the four recess mounting holes are located in the back of this panel. Try to get the 4mm drill as close to the centre as you can, by eye is fine. As per the reference image to the right.



- 3) The 80808, comes restrained with the Ultra Heavy Duty Cable Tie. This Cable Tie measures 580 x 12.4mm, and is held together by two small cable ties. The two small cable ties should be cut off so as to disassemble the 80808, to be ready to mount to the AJAX detector and then either a wall or pole. The Ultra Heavy Duty Cable Tie will be fine to use on any poles that are from 50 to 200mm in diameter. To wall mount the mount assembly, you will supply and use the required fasteners to suit the wall or face that you are mounting to. The four holes in each corner of the mounting plate are 5.5mm in diameter. The counter bores are 11mm in diameter. This should help you in selecting the correct size fastener.

- 4) The first part of the assembly is to attach the upper clevis lug to the AJAX SmartBracket Mounting Panel. Use two of the 8g x 30mm long screws that came with the AJX Detector. Hold the upper clevis lug against the top of the outside of the mounting panel. The upper clevis lug has 15 degree increments mark on the top of the clevis lug. These increments face towards the top of the mounting panel.



- 5) Now attach the lower clevis lug to the AJAX SmartBracket Mounting Panel. Use the two 8g x 30mm long screws that came with the AJAX Detector. Hold the lower clevis lug against the bottom of the outside of the mounting panel. The lower clevis lug has two M4 Nyloc Nuts, have these nuts facing the upper clevis lug. Screw the 8g screws in, but do not tighten all the way. Now push the 10mm aluminium pivot rod through from the bottom clevis lug, and into the top clevis lug. The last 5mm of purchase will be a little harder, just push the pivot rod as far as it goes. Once the pivot rod is in place fully tighten the two screws that retain the lower clevis lug. Both upper and lower clevis lugs should now be aligned.

- 6) You can now mount the AJAX Motion Detector to the AJAX SmartBracket Mounting Panel. Slide it all the way up the back of the detector until it locks into place. Now use the small screw that came with the detector and screw in into the hole at the bottom of the detector. This screw will lock the detector and the SmartBracket mount panel together.



- 7) The Pivot Bracket supplied with the AJAX Wall/Pole Mount 80808 can now be mounted in the location as required. Either wall mounted using the four available holes or pole mounted initially using the Ultra Heavy Duty Cable Tie supplied. Ensure that you have the five M4 SS Nyloc Nuts to the top. One thing that needs to be pointed out here is that the UHD Cable Tie is used to hold and retain the pivot bracket to the pole. It is also suggested and advised to also use over the top of the cable tie, a stainless steel hose clamp to suit the diameter of the pole. There is enough room to slide the SS hose clamp in and around the same slot that houses the cable tie. This hose clamp is not supplied and the installer needs to supply this hose clamp to suit the diameter of the pole, on which it is mounted. Width of the hose clamp should not be any wider than 14mm.



- 8) Once the 80808 Pivot Bracket has been mounted, you can present the assembly completed in Step 6 to this mounted pivot bracket. Align the pivot holes between the lower clevis lug and the pivot bracket. Insert the pivot pin from the bottom, until it locks into place, being fully inserted into the lower clevis lug. You can now work out at what angle the detector needs to be pointing. If it is straight out from where it is mounted use the single hole at the bottom of the lower clevis lug, and pass the M4 x 60mm long SS cap head screw through until it hits the M4 SS Nyloc Nut. You can now tighten and lock the lower clevis lug and the pivot bracket together, by tightening this screw. Check to ensure that the field of detection, is as per expected from the AJAX motion detector.

- 9) When you are satisfied that the range of detection is correct, it is time to position the lower cover panel over the lower clevis lug. Slide the cover onto the lug and insert the 2 off M4 x 30mm security hex screws and tighten down. Just check that all is tighten and that the detector is locked into position. This additional lower cover panel also acts as an extra security against someone being able to remove the SmartBracket Mount Panel screw, as it covers it up.

