

Installation instructions for AOV (Ax) with poly top (Direct to Roof).

X3-C-05-140-Ax-CM-CE-SS

Tools required:-

- Silicone or mastic sealant (or similar), or compressible foam seal
- Driver for chosen kerb fixing
- PZ2 Driver bit
- Drill bit - 6mm diameter

1.

Check fit of AOV (A) by loosely placing over roof opening - then remove.

2.

Apply a generous bead of sealant (mastic or silicone for example) - (B) around the top face of the roof opening (this material is NOT supplied). Replace AOV (A) into position, and bed down on sealant.

3.

Screw the AOV (A) to the roof structure through the fixing flange using appropriate screws (C) for the roof structure (not supplied). Position screws at 75mm from the edge of the fixing flange at each corner, and at a maximum of 300mm centres thereafter.

4.

Remove the motor cover plates (D) from the inside of the AOV using a Philips head screwdriver, to reveal the junction box (if junction boxes are supplied to both sides, either box will do). Wire up the AOV to the control panel / building management system (this work MUST be carried out by a suitably qualified person). See wiring diagram, right.

NOTE:- AOV MUST BE SECURED TO THE ROOF DECK BEFORE BEING OPERATED.

5.

When satisfied with the AOV installation and operation; complete the roofing works (roof insulation, felting / membrane etc). Membrane should be dressed as high as possible up the external face of the AOV.

6.

Lift the dome or pyramid assembly (E) into position on top of the AOV lifting frame.

7.

Remove the pre-installed grommets (G) from the polycarbonate, and drill through the holes into the metal flange below, with a 6mm drill bit. Once complete, replace grommets (this must be done to ensure fixings are sealed and watertight). Do not attempt to drill through grommets.

8.

Position tamper resistant base (H) over grommets, and insert M5 bolts (J) supplied. Tighten nut (F) onto bolt, tighten between 0.8Nm & 1.1Nm, taking care to avoid over tightening. Finally, push fit the top caps (K).

9.

Wire up actuator as per instructions in junction box.

NOTE:- Contractor is to provide a flat level surface minimum 100mm around the roof opening. Sealant and fasteners at roof deck level not by Xtralite

