

### SM04 INSTRUCTION MANUAL

#### INSTALLATION KIT PARTS LIST

- 1x elbow mast with 3x 5/16" bolts, 6x washers, 3x spring washers and 3x nuts.
- 1x swivel foot mount (Clevis bracket).
- 2x adjustable stay bars with 4x 10g 16mm metal TEK screws.
- 4x Cyclone roof fasteners, each consisting of a 5mm self-tapping coach bolt, a cyclone washer and a neoprene sealing washer.
- 1x cable grommet

#### BEFORE STARTING

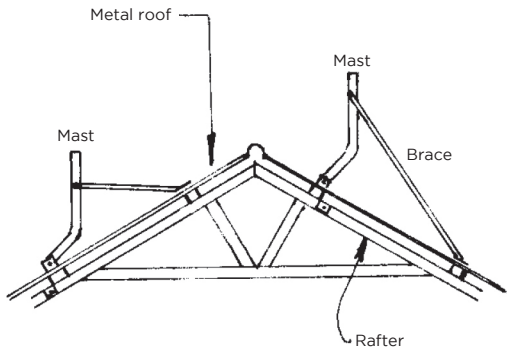
Take the time to read these instructions carefully in conjunction with the illustrations to ensure a thorough understanding of the procedures.

#### POSITIONING THE MOUNT

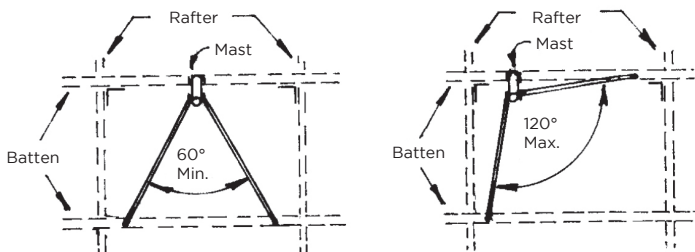
In consultation with the householder, choose a location that will allow the antenna a clear view to the transmitter.

Position the stay bar on the high or low side of the mast. The smaller angle between the braces should be no less than 60 degrees or greater than 120 degrees. See Fig 1 and Fig 2.

**Fig. 1 Alternate mast arrangements for Metal Roofs**



**Fig. 2 Alternate brace arrangements for Metal Roofs**

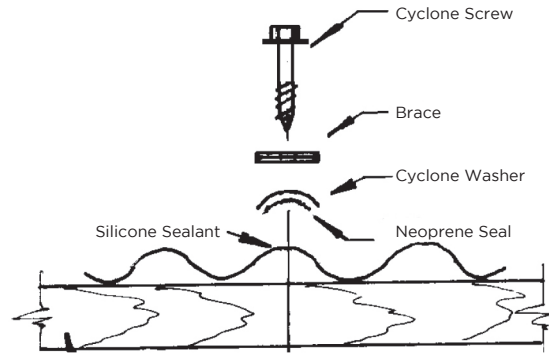


#### SWIVEL FOOT

Remove a screw from the batten at the swivel foot location and loosely fix one end of the foot with a Cyclone screw. See Fig 3. Using the foot as a template, use a self-tapping Cyclone screw in the other mounting hole. After installing the second Cyclone screw, tighten both screws so that they

are firm against the roof corrugations without distorting them. Drill a 10mm hole adjacent to the foot to locate the cable feed-through grommet.

**Fig. 3 Typical Cross section of Fastening**



#### CURVED MAST

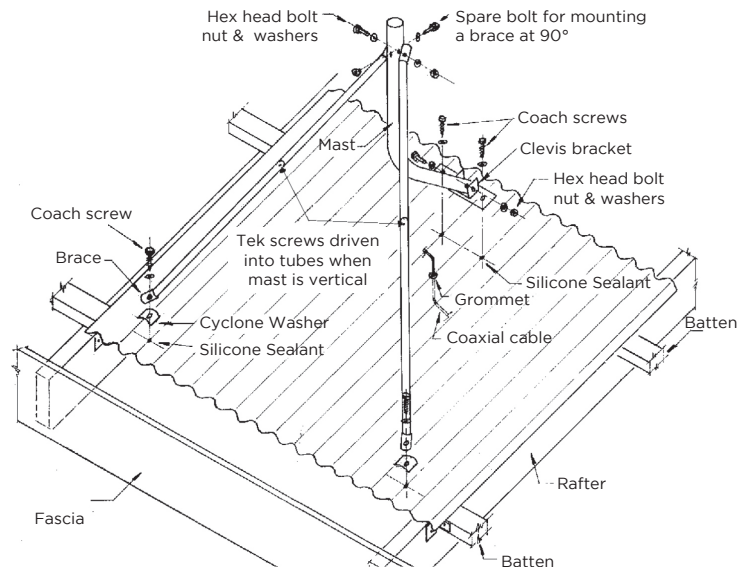
Secure the curved mast to the swivel mount with a 5/16 bolt, two washers, spring washer and nut provided.

#### STAY BARS

Assemble the adjustable stay bars to the mast using the balance of 5/16 bolts and associated hardware. Locate the opposite ends to the selected anchor points, realigning the flats so that they follow the roofline. Remove the screws from the battens and replace them with the remaining Cyclone assemblies as per Fig 4.

Note: Please ensure the large diameter stay bar is connected to the mast. The smaller diameter stay bar must be connected to the roof to prevent water ingress between the two bars.

**Fig. 4 Mast Assembly to Metal Roof**



With mast vertical secure the bars with the TEK screws provided.

#### NOTE

Although the neoprene washer supplied with the Cyclone assembly will provide a high degree of waterproofing if correctly assembled, additional protection by way of a suitable sealant. Silicone, may be applied under the washers before tightening. If using a cyclone washer under clevis foot mount bracket, this can cause instability on some rooves. The mast installation is now complete, and the dish can be mounted.



SCAN TO WATCH  
**SETUP VIDEO**