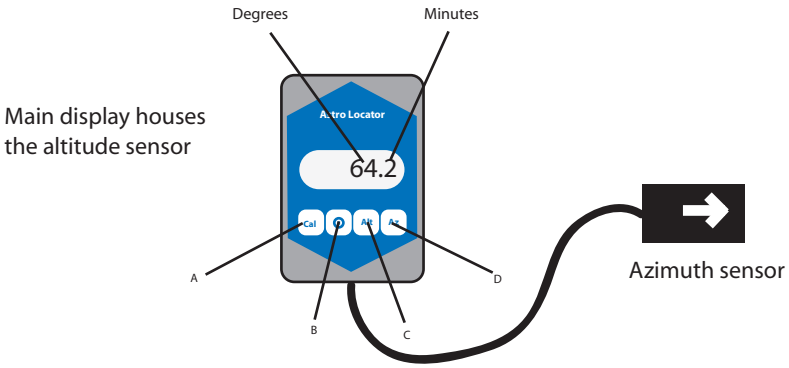
Astro-Fix Fitting Instructions

Introduction

The Astro-Fix works by displaying telescope altitude and azimuth allowing you to accurately point the telescope to any part of the sky.

To locate celestial objects, you will need to use Astro-Fix in conjunction with a laptop or PDA running astronomy software which gives real time altitude and azimuth information for the observing location.



Keys

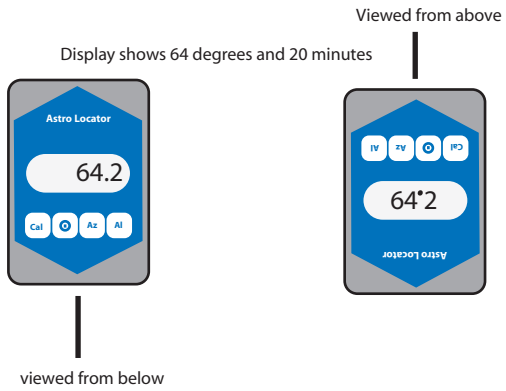
A Calibration key
B On/off key
C Altitude select and value adjust key when in star calibration mode *
D Azimuth select and value adjust key when in star calibration mode *

*** When in star calibration mode, pressing this key once changes the value by 0.1 degrees. Holding the key down changes the value by one degree.**

Display

The display can be read either way up. To change the display orientation, select altitude and then turn the gauge upside down.

Suggested orientation depending on where the unit is being viewed from:



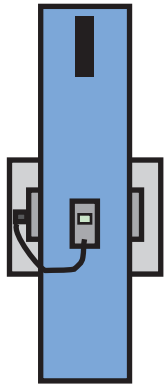
Fitting to the telescope.

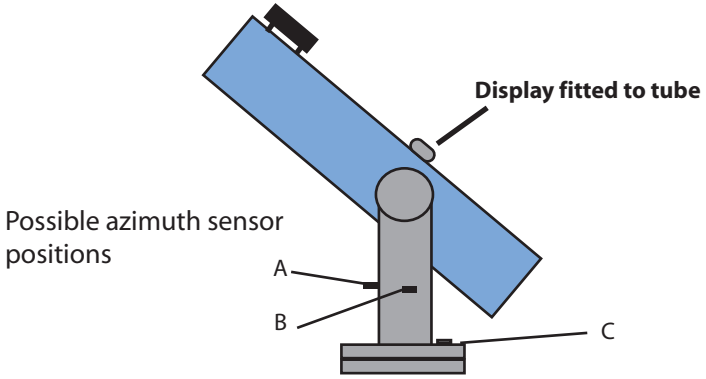
The display unit contains the altitude sensor and needs to be fitted onto the top of the telescope tube using velcro pads. Ensure that the unit is parallel with the tube.

The azimuth sensor will need to be fitted to the base or azimuth part of the mount. This sensor is magnetic and will need to be kept away from any ferrous metal to achieve best results.

Suggested positions for a dobsonian telescope are shown below.
Positions A and B will need to be fitted using the supplied 'L' bracket - these are the preferred positions if the base has metal bearings etc.
Position C - only use position C if the sensor will not pass over any ferrous metal during rotation.

The azimuth sensor should be fitted with the arrow pointing towards the front of the telesxope. Align the sensor with the telescope for best results.





Ensure that the connecting cable will not get fouled when the telescope is moved

Once the unit has been fitted, there is a simple 20 second calibration routine after which it can be used for locating objects.