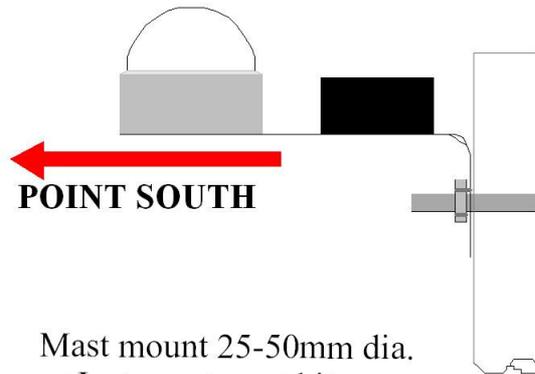
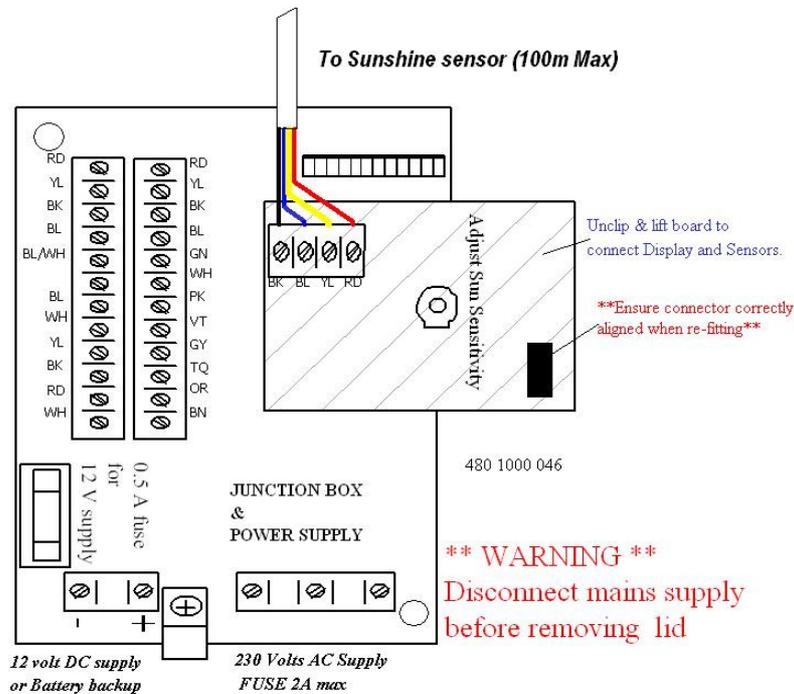


Sunshine Sensor 480 1000 039/01

Sunshine sensor
480 1000 039



Mast mount 25-50mm dia.
or Instromet mast kit
Long 480 1000 096
Short 480 1000 094
Tile/slate clamp 480 1000 097



Installation Instructions

Sunshine Sensor

The Sensor is designed to be mounted on a mast of between 25 & 50 mm diameter. The mast (usually the Wind Sensor mast) should be sited where trees, buildings etc. will not cause a shadow at any time of day throughout the year. It must be borne in mind that the sun rises and sets on the horizon which in mid-summer can be NE & NW (depending on latitude) and only rises to a low angle in mid-winter.

The Sensor is best mounted on the top of the Wind Sensor mast above any aerials etc and pointed approximately South (North in the Southern hemisphere) to avoid shadows.

The Sunshine Sensor functions by comparing sunlight to shadow, when the ratio exceeds a pre-determined threshold, the sun is deemed to be shining and the counter will count up one every 36 seconds (0.01 hour).

Setting Threshold. This is preset at the factory and should not normally require adjustment. However, should minor alterations be required due to the glass dome becoming dirty, the small preset on the daughter board can be adjusted.

Troubleshooting Guide.

Sunshine not being recorded

Check all connections to junction box.

Check daughter printed circuit board in junction box is correctly aligned at the connector (can be seen by looking between the boards).

Sensitivity control incorrectly adjusted. Rotate the preset anti-clockwise to increase sensitivity.