

# SIRIUS

OBSERVATORIES



› HOME › SCHOOL › UNIVERSITY ›  
HIGHEST QUALITY FIBREGLOSS  
ASTRONOMICAL OBSERVATORIES

## Features Include:

- Whisper quiet dome rotation.
- Motorisation for all hatches and dome rotation (6.7m model).
- Manufactured from, Marine Grade Fibreglass Resins.
- Corrosion free.
- Zinc plated fixings (Internal) Stainless Steel (External).
- White exterior. Colour variations accepted.
- Dove grey interior walls. Black dome interior.
- Completely waterproof.
- Complete open span.
- Clean lines avoiding dust entrapment.
- Modular construction. If you move, move the observatory too!
- Engineers structural certificate.
- Motorised Dome rotation. Clockwise and anti-clockwise.
- 1.8mtr aperture openings - 900mm beyond the zenith (University model).
- Motorised hatch openings to 'School' and 'Home" unit, if required.
- Lower hinged hatch for horizon viewing if required.
- Simple, affective 12v DC 10amp battery driven motor drives.
- Solar panel chargers included for dome and hatch mechanism.
- Sealed bearings in neoprene wheels for silent movement.
- Pendant control from anywhere inside the Observatory.
- Available as Dome only, complete with Mounting ring (all models).
- Safe operation - Guard covers over all mechanical devices.
- Cover strips over wall joints.
- Two 1.8mtr high lockable doors. (University model).
- Complete Unit Guaranteed for 12 months.
- Can be assembled by unskilled personnel. Instructions provided.
- Assembly supervision available if required.



Optional storage



Wide viewing angle



Lockable/safe access



Dome only option

## Modular Construction & Installation

The modular construction of the 'Sirius' Observatory is designed so that ALL MODELS can be assembled by unskilled persons. Assembly instructions are provided for the construction of the dome, walls, doors and hatches. The mechanical drive mechanisms are also modular and can be easily assembled using the instructions provided. Crane assistance is only required for the installing of the dome onto the walls of the complete 'University' and 'School' size models.

## Weather/Waterproofing

Because of the expensive equipment to be housed inside the 'Sirius' observatory we have built waterproof joints to all dome and wall panels. This seal is guaranteed for the life of the product. The white outer shell provides the user with a 'warmer in winter' and 'cooler in summer' environment to enjoy both work and leisure.

## Pre-Assembly

Your 'Sirius' observatory has been pre-assembled and made fully operational at our manufacturing plant prior to shipping. Each panel and mechanical part is then numbered for ease of assembly.

## Fibreglass Constructions

With strong fibreglass construction the 'Sirius' Observatory provides the strength and characteristics of Ocean going Fibreglass Yachts and Marine craft. Fibreglass vessels are built from exactly the same materials. We have added additional strength to return flanges, roof panels, doors and hatches of the 'Sirius' Observatory. Designing and manufacturing with fibreglass provide clean and even flow lines without obstructive and unsightly supports that can hold snow, ice and other debris.

## Gelcoat Finishes

We use only the best Marine Grade Gelcoat finishes available on your 'Sirius' Observatory. This Observatory will appear as new, year after year in all weather conditions. There is never a requirement for painting the inside or outside of the product. When necessary, the use of a simple spray or wipe with fibreglass polish to the outside, will maintain the 'Sirius' superior clean lines.

## Dismantle and Re-assembly

It's easy with the 'Sirius' Observatory. Simply unbolt all the numbered parts and rebuild at your new location ... No loss of valuable assets such as structural brick or stone walls. The walls are part of the observatory with a 'Sirius' observatory.

## Mechanical Operation

The motor drives on the 'Sirius' Observatories are battery powered via 12v DC. This power provides a quiet, smooth, safe, dome rotation. The 12v DC motor also operates the opening and closing of hatches. During mains power failure the 'Sirius' dome still rotates and hatches open and close because they are battery powered from within the dome. Batteries are continually recharged by the solar panel attached to the dome (or via a transformer from the mains power where required). You can operate your 'Sirius' Observatory from the remotest locations. Operation of the dome rotation is via a pendant switch which can be used at any location inside the Observatory.



Assembled before shipping



Ease of assembly



or help arranged



Just add the telescope

# SIRIUS

OBSERVATORIES

MANUFACTURED AND SOLD THROUGHOUT THE WORLD SINCE 1986

## Dimensions

## Uses



### HOME MODEL:

Total Height	2.65 meters	8'7"
Wall Height	1.5 meters	5'0"
Diameter	2.3 meters	7'6"
Door size	1150h x 800w	3'6" x 2'6"
Aperture Width	0.6 meters	2'0"
Open past zenith	250mm	0'10"

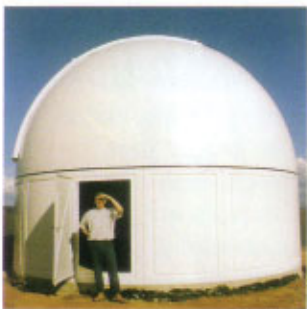
The 'Home' size observatory is ideal for any individual observer or for a small club. It adequately holds two to three people with a side or centrally mounted telescope. The addition of outstorage or locker panels will add to the available space.



### SCHOOL MODEL:

Total Height	3.25 meters	10'6"
Wall Height	1.5 meters	5'0"
Diameter	3.5 meters	11'6"
Door size	1150h x 1000w	3'6" x 3'3"
Aperture Width	1 meter	3'3"
Open past zenith	400mm	1'3"

The 'School' size unit will suit the larger telescope. It is designed for a tutor and up to eight people. The clear span and clean lines allows all observers to move about easily within the observatory.



### UNIVERSITY MODEL:

Total Height	5.5 meters	18'0"
Wall Height	2 meters	6'6"
Diameter	6.7 meters	22'0"
Door size	1580h x 980w	5'2" x 3'2"
Aperture Width	1.8 meters	6'0"
Open past zenith	800mm	2'6"

The 'University' size unit is ideal for the larger groups and the bigger telescope. Seated groups of up to twenty people will find such an observatory very spacious and extremely easy to operate.

MANUFACTURED AND SOLD BY

SIRIUS  
OBSERVATORIES  
AUSTRALIA



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