

**For solar powered runway lights****ORDER CODE: VCU I(frequency)**

Designed to the requirements of: CASA MOS Part 139 (Chapt 9)

Made in Australia

THE WSS AVILITE SYSTEM IS MADE FOR AIRPORT OWNERS AND OPERATORS WHOSE CRITICAL REQUIREMENTS ARE INDEPENDENT PILOT ACTIVATION, LONG-TERM RELIABILITY AND EASY MAINTENANCE.

APPLICATION

WSS AVILITE VHF Control Unit is a standalone VHF fixed frequency receiver combined with a sophisticated electronic controller. Together these units receive and decode the pilot activation sequence and provide an electronic switch to activate an external lamp.

WHERE IS IT USED?

The VCU is usually fitted to a runway marker cone, for example the AVILITE Solar Runway Light (SRL) or other similar units. To operate, the VCU requires the following external components:

- > Battery
- > Solar Panel
- > Lamp
- > Antenna

When utilised with a suitable high current relay, the AVILITE VCU may also be used to control the lighting array of an Illuminated Wind Direction Indicator (IWDI).

FRANGIBILITY

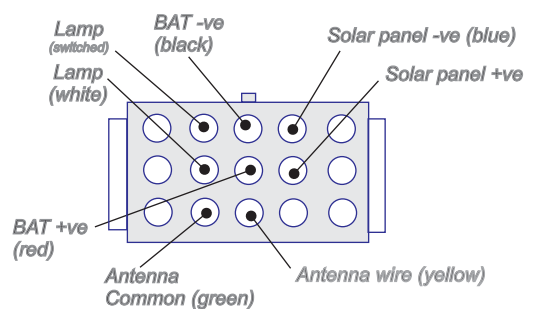
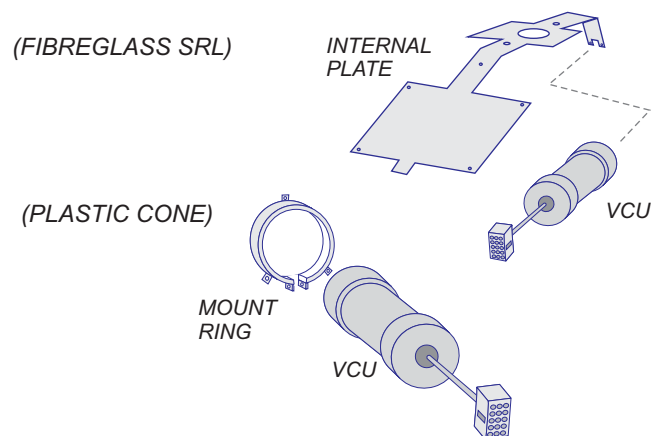
The Avilite VCU complies with the requirements of MOS Part 139 - 9.1.12 and ICAO Aerodrome Design Manual Part 4 (Visual Aids Chapter 15). Frangibility is achieved as a result of the light materials used in the construction.

PHYSICAL

- > Diameter 60mm
- > Length 150mm
- > Weight 190 grams

FEATURES

- > Sensitive VHF Receiver with adjustable threshold level and received signal strength output.
- > External activity LED to confirm operation and reception of VHF signal.
- > Auto lamp current control to maximise operational time and preserve available battery energy.
- > Magnetic switch for timed manual operation.
- > Special test mode for lamp and functional testing.
- > Daylight detector to maximise battery recharge.
- > Sealed, robust tubular container, UV stabilised.

MOUNTING**PLUG WIRING (from wire entry side)**