

Technical Information



Technical Specifications

Electrical Motor Specifications:

RoHs Compliant made in Holland

IPP Rating on Eagle Eye 55 IP

Drive spec totally silent, speed controlled, intelligent electrical motor

Polarity reverse protected

Rotations: 30 rpm for wind under 80km/h

Motor disengage in winds above 80km/h to be able to handle wind storms

No Gearbox, speed is electronically controlled

Operating temperature -17'C - +50'C

Nominal Voltage 12 Vdc

Starting Voltage 6.5 Vdc

Full Rpm 9 Vdc

Max Voltage 16 Vdc

Current draw @ 12V 49 mA

Load at stall 900 mA

Power consumption estimates

Current draw of an Electronic Timer when engaged 12V 55 mA

Big Car Battery 90 Ah

Battery usage 60%

Hours of motor operation without timer

1,102.04 h

45.92 Days

Alarm Battery 12 Ah

Battery usage 60%

Hours of motor operation without timer

146.94 h

6.12 Days

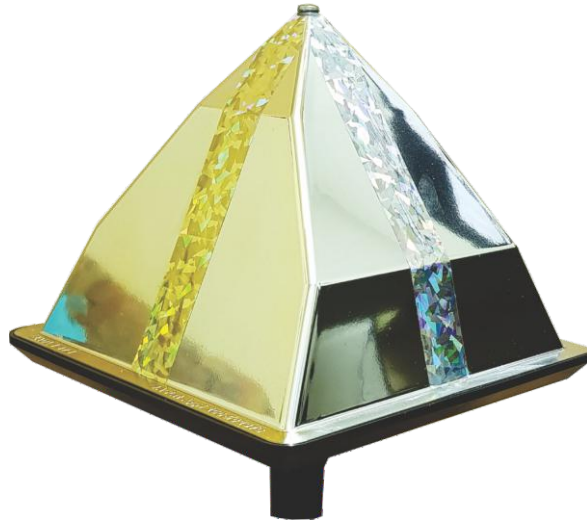


The Reflector:

Manufactured from durable ABS plastic and coated with a highly reflective coating to reflect light while absorbing very little Ultra Violet.

The reflector has multiple reflecting angles that ensures a greater coverage as well as an irregular flashing pattern.

The design and structure of the reflector is resistant to damage from falling objects like hail or golf balls.



Mounting Brackets:

Mounting brackets are manufactured from glass filled nylon and aluminium piping is used to provide years of corrosion free longevity of the installation.

The brackets and piping are designed to accommodate various different installation configurations.



Solar Panel:

A 10W solar panel regulated to produce 12V is used for the Eagle Eye unit.

Peak Power (Pmax): 10 WP

Warranted minimum Pmax: 7.5wp

Voltage (without regulator): 18V

Current (IMP): 0.56A

Open Circuit Voltage (Voc): 21.1V

Short Circuit Current (ISC): 0.73A

CE certified

IEC 61730-1 and IEC 61730-2 certified

IEC 61215 ed.2 certified



Power Supply:

A 220-12VDC (110-12Vdc in the USA) power supply is used for the Eagle Eye unit where electrical outlets are readily available.

Power-supplies are supplied within a water resistant plastic housing for outdoor installations.

Input: 100-240 VAC, 50/60Hz,0,8A

Output: 12VDC, 1A

CE certified



Maintenance:

It is of utmost importance to clean and maintain the Eagle Eye unit on a regular basis. Quarterly servicing will be necessary in cities or near the coast, otherwise the unit should be maintained once every 6 months.

The Eagle Eye unit should be cleaned with a regular window cleaning soap. Rinse the unit thoroughly with water afterwards to prevent a soap buildup.

