

# WIND CONE

SOLAR ILLUMINATED SYSTEM

Cost-effective, low-maintenance solution for improving safety at temporary, permanent and emergency airports and heliports.

- Internally LED illuminated
- Powered by a robust Solar Power Supply (SPS)
- Designed to meet L-806(L) or L-807(L) FAA AC 150/5345-27
- Compliant with ICAO Annex 14, Volume 1, 6th Edition

## **Easy Installation and Relocation**

No specialized work crews required. Limited air traffic disruption and functions immediately upon installation. Optional Handheld Controller allows for wireless operation including mode changes for enhanced visibility in poor weather conditions up to 4 km (2.5 m) away.

### Rugged, Weatherproof Design

Sealed bearings for precision vaning and true wind direction in all types of weather and wind conditions. Additional bearing covers provided for protection against dirt and moisture. Water-repellent and color-fast nylon sock is resistant to rot and mildew. Standard orange or white/orange sock.

# **Reliable Performance**

The SPS provides power to the wind cone in a simple to install package. Nominal 10 day autonomy (operation without solar charging) ensures consistent performance with a minimum 5 year battery service life.



REPRESENTED IN YOUR REGION BY:





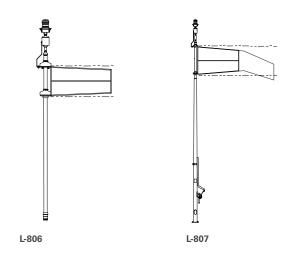
- 4 km (2.5 m)
- 900 MHz with encrypted signal
- Control 8 groups of lights independently

OPTIONAL HANDHELD CONTROLLER

#### **SPECIFICATIONS MODELS** L-806 Frangible, 8 foot windsock, unlit or internally lit Non-frangible, size 1 or size 2 windsock, unlit or internally lit L-807 with centre hinge **OPERATING CONDITIONS** Temperature -45 to +55 °C (-49 to +131 °F) Humidity 0 - 100% **SOLAR POWER SUPPLY (SPS)** 50 watts (2 batteries) - 39 kg (86 lb) Installed Weight 135 watts (2 batteries) - 121.6 kg (268 lb) 50 watts - 129 kg (285 lb) Shipping Weight 135 watts - 179 kg (395 lb) Height: 940-1400 mm (37-55 in) Installed Dimensions Width: 840 or 1500 mm (33 of 59 in) Operating Temperature -40 to +55 °C (-40 to +131 °F) Storage Temperature -40 to +55 °C (-40 to +131 °F) Weather and corrosion-resistant construction of steel and Chassis powder coated aluminum Mounting Frangible couplings and floor flange mounts Wind loading 193 kph (120 mph) min. for 135W installed at 65° tilt Tilt 25° - 65° in 10° steps Diagnostics On-board feedback indicators for: battery and system status Certifications CE, FCC **BATTERY** Power 2x 12 VDC 100 Ahr Standard Replaceable and recyclable, absorbent glass mat (AGM) SLA. Type Standard with one battery Temperature-compensated, maximum power point tracking Charger **PV PANEL** Powe 50, 135 W High-efficiency polycrystalline, IEC 61215 Type Lifetime 12 years at 90% output

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DIMENSIONS - INTERNALLY LIT WIND CONES				
WIND CONE	OVERALL HEIGHT			
L-806	3099 mm (122 in)			
L-807 size 1	6248 mm (246 in)			
L-807 size 2	6706 mm (264 in)			

# Installation

The Wind Cone should be installed according to FAA AC 150/5340-30. The Solar Power Supply (SPS) should be installed on a level concrete pad between a minimum of 12 feet and a maximum 15 feet from the wind cone.

# Operation

The operation of the Wind Cone is entirely dependent on the direction and relative velocity of the surface wind. Movement of the wind through the open throat of the cage and into the sock causes the tail to inflate. The tail of the inflated sock indicates true wind direction for velocities as low as three knots through a 360° circle about the vertical shaft.

CONFIGURATION							
MODEL	TYPE ▼	ILLUMINATION ▼	SOCK ▼	CONTROL ▼	OPTIONS ▼		
WIND CONE	L-806 - FRANGIBLE L-807 - SIZE 1, HINGED L-807 - SIZE 2, HINGED	UNLIT INTERNALLY LIT	ORANGE WHITE/ORANGE	NON-WIRELESS WIRELESS	FLOOR FLANGE		









The management system governing the manufacture of this product is ISO 9001:2008 certified.

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