

RADIO RECEIVER/DECODER L854-LXS



A radio receiver/decoder is a **device used by pilots to communicate by air to the ground (Type I)**.

FAA L854 is a device that enables pilots to switch on and control heliport lighting systems. This system is essential for landing areas unattended by ground personnel, making it easy and quick to control lights such as FATO, TLOF, floodlights, windsocks, heliport beacons.



RADIO SYSTEM

RADIO RECEIVER/DECODER L854-LXS

Antenna

Relay

Frequency dips selection

Shutdown dips selection

CAN bus communication

IP65 protection degree

Mild steel material, painted RAL7035 as standard



LUXSOLAR, according to FAA AC 150/5345-49, has developed its **L854-LXS radio received/decoder** which **through a series of microphone clicks allows pilots to switch ON and set the intensity of heliport lights.**

The system is also designed for **automatic shutdown after 15 minutes**, this avoids wasting energy and helps reduce light pollution; other shutdown timing settings available.

CERTIFICATION



FEATURES



TYPICAL APPLICATION



RADIO SYSTEM

RADIO RECEIVER/DECODER L854-LXS TECHNICAL SPECIFICATIONS

FUNCTIONING

Helicopter pilot using on-board communication button activates the radio system and, according to the number of clicks, the lighting system turns ON at several intensities:

- **3 clicks:** lighting system is activated at low intensity
- **5 clicks:** lighting system is activated at medium intensity
- **7 clicks:** lighting system is activated at high intensity

FEATURES

- FAA L854 Type I: Air - Ground
- Pilot Controlled Light (PCL) Type J: click activated through PTT button
- Quick system enable: within 5 seconds
- Automatic shutdown: after 15 minutes that system is inactive
- Working frequency: 118-136MHz
- Temperature range: -40°C / +55°C
- Available operating ranges: 100/240Vac 50-60Hz or DC version available
- CAN bus (Controller Area Network) communication

WHAT IS INCLUDED IN THE SYSTEM?

- AM receiver
- - Type A decoder
- - Channel spacing (8.33KHz) or (25KHz)