

HELIPORT EQUIPMENT RADIOCONTROLLER

REMOTE CONTROL BY RADIOFREQUENCY



01. DESCRIPTION

Our **Pilot Control Lighting (PCL)** system enables remote ON/OFF control of beacons specifically designed for helidecks and small airports. The system includes a distance activation feature operated via a dedicated radiofrequency link, allowing authorized personnel—such as pilots or ground operators—to control the lighting remotely.

02. ADVANTAGES

- Quick and easy installation
- Integrated in a waterproof (IP65) and electrically protected cabinet suitable for outdoor environments
- Manual activation via a switch on the front panel of the cabinet
- Dry contact option available on terminal block for flexible integration
- Frequency configuration through user-friendly PC software
- VHF radio control with 8.33 kHz and 25 kHz channel spacing.
- Fully compliant with RED Directive and electromagnetic compatibility standards (EN 301489)
- User-friendly operation designed for pilots and ground staff
- Communication by SMS available

03. CHARACTERISTICS

ELECTRICAL	
Power supply	110V-240V
Operating temperature	-40°C to +55°C
Consumption	< 15 Watts max
MECHANICAL	
Body material	Painted steel
Height	328mm
Width	330mm
Weight	< 7 kg
ACCESSORIES INCLUDED	
Antenna + antenna cable	2 meters
WARRANTY	
Warranty period	2 years

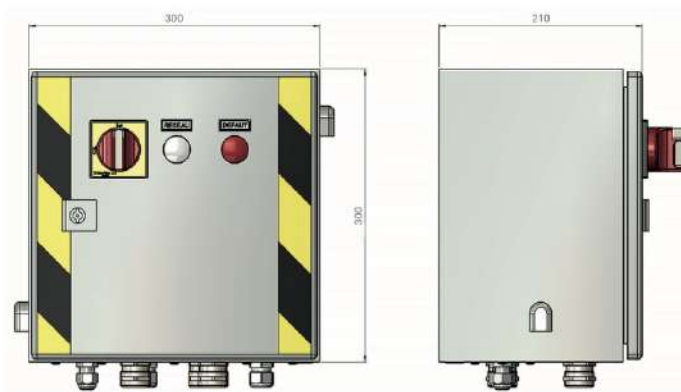


04. APPLICATIONS

The system enables remote control of aviation lighting (helidecks and small runways) via radiofrequency. It complies with ICAO recommendations and the FAA L-854 standard for pilot-controlled lighting systems where applicable.

05. MODELS

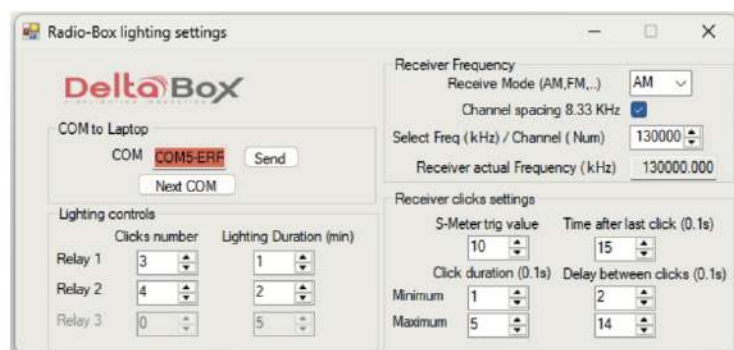
REFERENCE	POWER SUPPLY	DRY CONTACT
HELI-PCL	110-240V	Option



06. OPERATIONS

The lighting control system includes two outputs. Activation is performed by a dedicated radio transmitter; the system can also be configured to recognize specific command patterns. Upon activation, the lighting remains on for a default programmable period of 15 minutes. All functionalities are fully configurable through the supplied PC software, allowing customization of timing, activation methods, and output control. Typical use cases are:

- **Medical helipads:** Enabling quick and secure activation of approach and landing lights for emergency medical helicopter operations
- **Industrial sites:** Remote lighting control on private helidecks and small airstrips without full-time personnel
- **Isolated locations:** Solar-powered or grid-powered helipads or airstrips in remote areas where pilot or ground crew need to control lighting
- **Training centers:** Aviation schools requiring controlled lighting activation during training flights
- **Temporary sites:** Construction or event helipads where easy installation and mobility are essential



07. INSTALLATION & MAINTENANCE

- **Installation time:** Typically less than 2 hours for qualified personnel
- **Mounting:** Wall or pole mounting
- **Connections:** Standard terminal blocks for power and relay outputs, with clear labeling
- **Software setup:** Configuration via USB with user-friendly PC software
- **Support:** Technical support and documentation provided, including installation guides and troubleshooting manuals