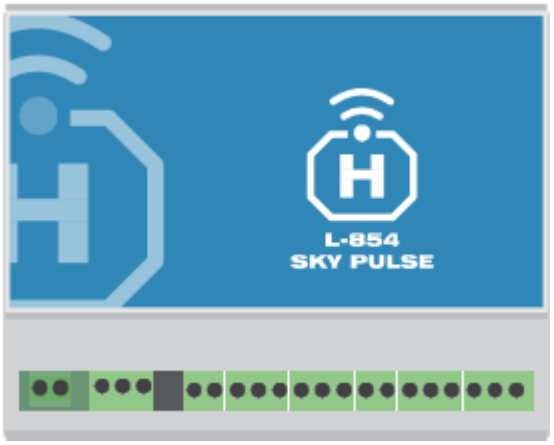
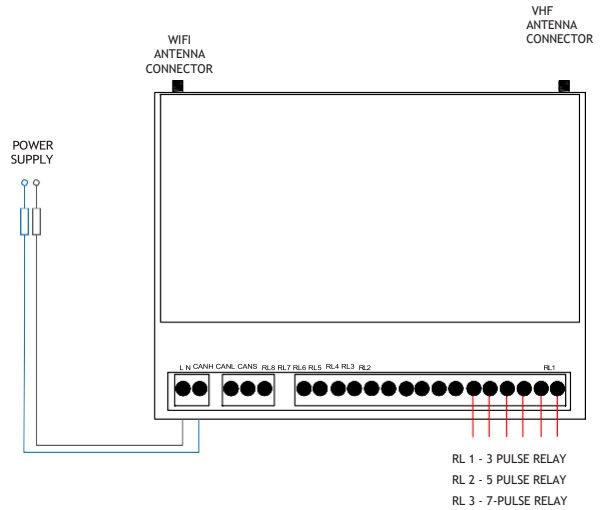
L-854 SKY PULSE



The **L-854 SKY PULSE** device is an advanced control and communication module specially designed for heliport and airfield lighting systems, complying with the FAA L-854 specification for remote radio frequency ignition of aeronautical lights.

This device allows the activation of systems by means of signals from VHF airband radio stations, with fully configurable frequencies by the user. In addition to its integrated radio receiver, it has the ability to incorporate wireless interfaces and relay outputs, making it a robust solution for critical air operation, industrial, radio communication and automation applications.

EXAMPLE SINGLE-PHASE CONNECTION



SPECIFICATIONS

FEEDING	
ENTRANCE	100 - 240 V~ (AC), 50-60 Hz
CONSUMPTION	13 W
OUTPUTS	
8 SPST RELAY OUTPUTS (Normally Open)	
NOMINAL CONTACT VOLTAGE	250 VAC
MAXIMUM CURRENT PER CONTACT	3.5 A
REMOTE ACTIVATION	
• The outputs can be activated by signals received from an airband radio station. • Supports pulse counting according to the L-854 standard (e.g. 3, 5 or 7 clicks at the designated frequency). • User-configurable receive frequency to suit different operating environments.	
INTEGRATED RECEIVER	
MODEL	ICOM - R6
FREQUENCY RANGE	100 kHz to 1309.995 MHz
• High sensitivity for receiving radio frequency signals. • Integration with firmware for frequency mapping to specific outputs.	
OPERATING FIRMWARE	
TYPE OF SET-TOP BOX	Decoder Type A
Configuration of activation frequencies via local or remote interface.	
COMMUNICATION INTERFACE	
ACCESSORY BUS	CAN BUS
WIRELESS: ESP32-S3 with WiFi and Bluetooth connectivity • Frequency: 2.4 GHz • Protocols: Bluetooth 5.0, WiFi 802.11 b/g/n • Output power: 18 dBm • Receive sensitivity: -96 dBm	
OPERATING TEMPERATURE RANGE	-20 °C to +50 °C
COMMON APPLICATIONS	
• Remote activation of helipad or airfield lights. • Industrial automation. • Control of systems by means of airband radio transmitters. • Remote activation of devices using radio frequency. • Integration into monitoring and control networks. • Local wireless communications.	
MECHANICAL CHARACTERISTICS	
DIMENSIONS	150 x 130 x 80 mm
FORMAT	DIN rail 35mm (EN60715)
WEIGHT	700 g

Designed in accordance with the FAA L-854 specification, relating to the remote switching on of airfield and heliport lighting by VHF transmission from aircraft.

Manufactured by dismuntel