



Flight Light Inc.  
2708 47th Ave.  
Sacramento, California, U.S.A.  
95822-3806



PH (916) 394-2800    FX (916) 394-2809  
TF (800) 806-3548    EM info@flightlight.com

## Radio Receiver/Decoder FAA L-854

### Compliance and Applications

FAA type:  
**L-854 Radio Receiver/Decoder,  
Air-to-ground, Type 1, Style A**

ETL Certified to:  
**FAA AC 150/5345-49D**

Our L-854 FM radio receiver/decoder is designed to provide pilots direct, unassisted air-to-ground control of airfield lighting systems. This field tunable radio allows pilots to activate airfield lighting with a series of 3, 5, or 7 microphone clicks in a 5 second period. An integrated selectable timer shuts airfield lights off after 1, 15, 30, or 60 minutes of illumination.

Our L-854 receiver is particularly useful for small to mid-sized airfields where continuous nighttime illumination is unnecessary and expensive. The unit is a virtual necessity for remote sites where the volume of air traffic or the availability of qualified on-site control personnel may be limited. Our rugged, solid state design will provide years of service and is the perfect replacement for aging "crystal" based units.

### Features

- 100% field tunable within the 118-136MHz airband.
- Relay bank operation is easily selectable from front panel.

- Operate indoors or outdoors, temperature range -55°C to +55°C.
- Standard long life mechanical relays ensure compatibility with your equipment.
- Our solid state receiver design makes for extremely low power consumption.
- Standard construction features a rugged NEMA 4/12 enclosure. Custom cabinets are available.
- Custom designs are available for OEM integration, solar deployment, mobile operation and heliport control. Ask our engineers to build your exact model needs.
- Capable of a wide range of operating voltages from 100-240VAC, 50 or 60 Hz.

### Installation

- Comes with a heavy-duty dipole antenna and lightning arrestor.
- Front panel cage clamp terminals are contractor friendly and make installations a breeze.
- Deployment is as easy as hanging the unit, providing a radio power source, wiring control power inputs and outputs and mounting the antenna.
- No mast or other mounting hardware is provided. L-854 Antenna Cable Kit sold separately.



**L-854 Radio Receiver/Decoder**  
(P/N: 47-RDL854-1A)

### Heliport Control Box

- Quick and easy interface with L-854 radio receiver.
- Small size, NEMA 4/12 enclosure.
- Works with either 120VAC or 230VAC.
- Power out to your loads is switched by a 30 Amp, 2 pole, mechanical contactor.
- P/N: 47-RDL30AHP2-1



### L-854 Antenna Cable Kit

- 25' of coax cable with connectors (UHF/BNC).
- P/N: 47-L854ACK-25

### Ordering Codes

Airport		Heliport		Load	
Product Code	Voltage	Product Code	Voltage		
47-RDL854-1A	-0: 120 VAC	47-RDL854-1A + 47-RDL30AHP2-1	-0: 120 VAC	-1: 30 AMP (std)	
	-1: 230 VAC		-1: 230 VAC	-2: 40 AMP	
	-2: 24 VDC		-2: 24 VDC	-3: 50 AMP*	
	-3: Spcl		-3: Spcl	-4: Spcl	

\* Loads over 50 amps requires a separate contactor enclosure.

Dimensions/weight: 47-RDL854-1A: 12" x 12" x 6", 28 lb.; 47-RDL30AHP2-1: 8" x 8" x 6", 11 lb.

Visit our web site: [www.flightlight.com](http://www.flightlight.com)



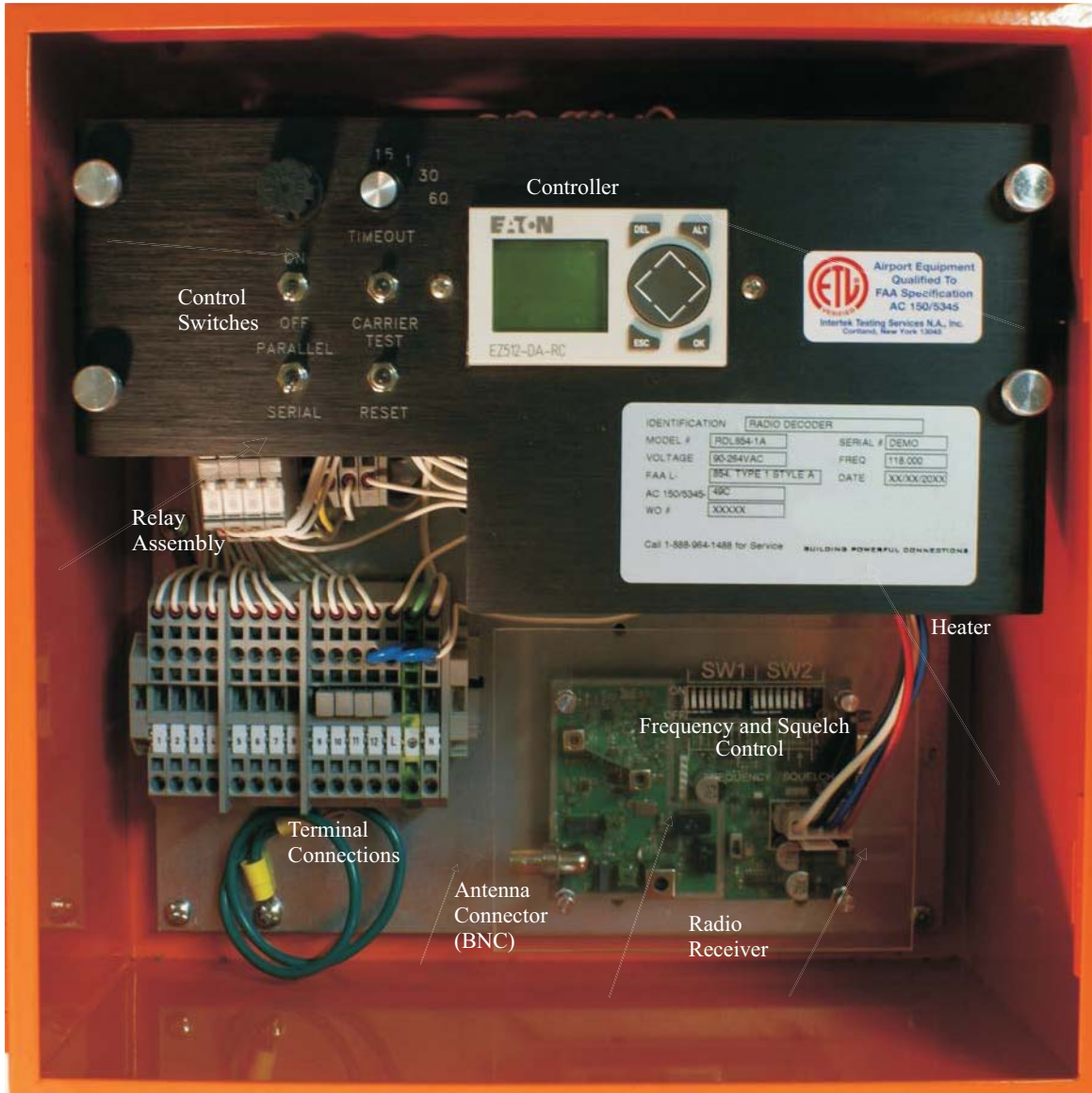
Flight Light Inc.  
 2708 47th Ave.  
 Sacramento, California, U.S.A.  
 95822-3806



PH (916) 394-2800  
 TF (800) 806-3548

FX (916) 394-2809  
 EM info@flightlight.com

**Radio Receiver/Decoder  
 FAA L-854**



RDL8541A ELECTRICAL CHARACTERISTICS @ 120VAC 60Hz			
INPUT VOLTAGE	AC CURRENT STANDBY MODE	AC CURRENT ACTIVE MODE	AC CURRENT W/100W HEATER ON
90-264 VAC, 50-60Hz AUTO SENSING	0.088 A	0.1 A	1.4 A

**Visit our web site: [www.flightlight.com](http://www.flightlight.com)**



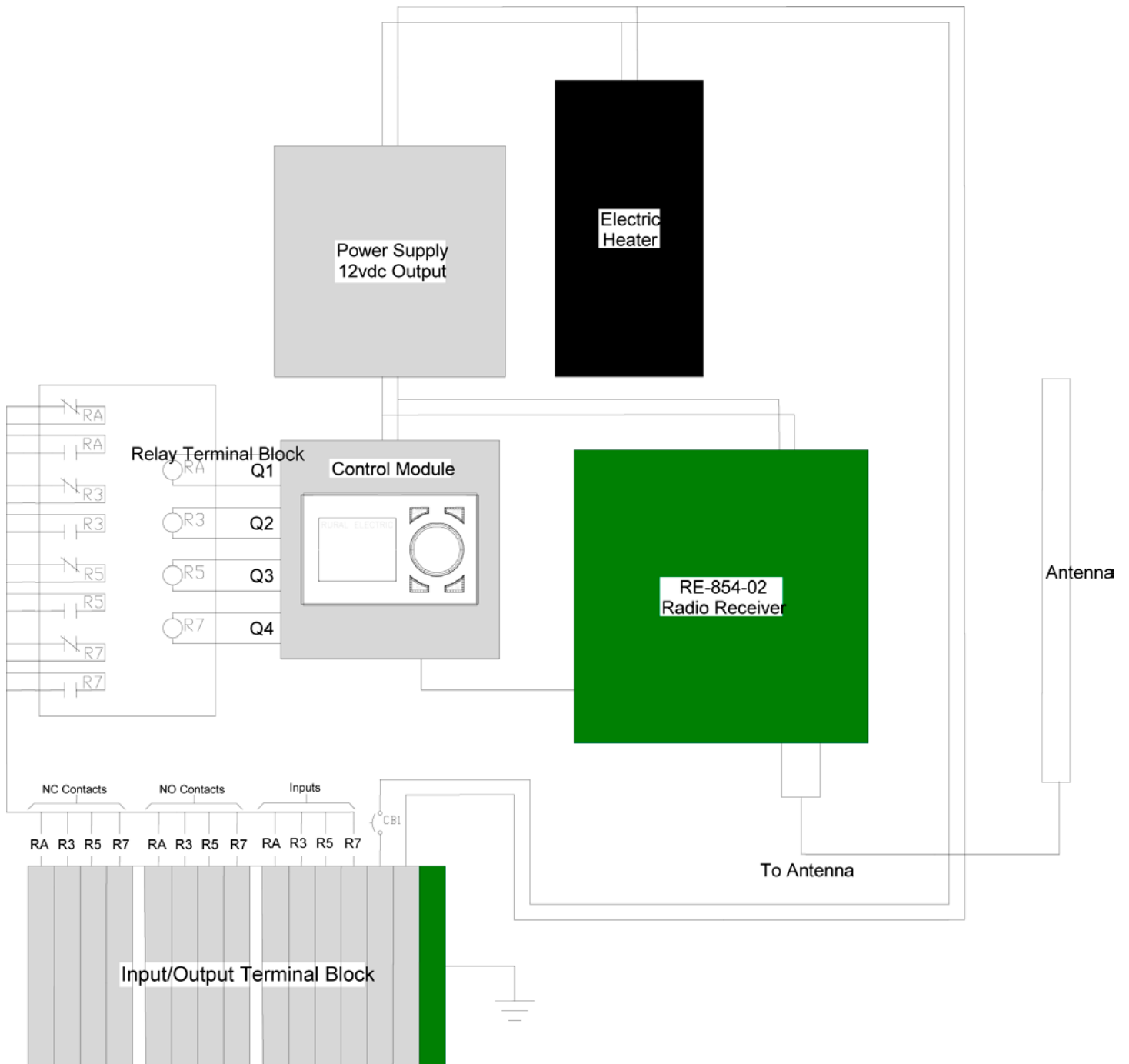
Flight Light Inc.  
2708 47th Ave.  
Sacramento, California, U.S.A.  
95822-3806



PH (916) 394-2800  
TF (800) 806-3548

FX (916) 394-2809  
EM info@flightlight.com

Radio Receiver/Decoder  
FAA L-854



*Component Layout*

Visit our web site: [www.flightlight.com](http://www.flightlight.com)