

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, in .025MHz increments.
- Relay bank operation is easily selectable from front panel.
- Operate indoors or outdoors, temperature range -67°F to +131°F (-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 and mobile operation. Ask our engineers to build your exact model needs.
- Capable of a wide range of operating voltages from 100-240VAC, 50 or 60 Hz. DC version is available.

Installation

- Front panel screw 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 Kit sold separately.



L-854 Antenna Kit

- Pre-tuned stainless steel vertical whip
- Mounting bracket
- Surge protector
- Coax cable
- BNC & UHF connections



Ordering Codes

Model	Description
47-RDL854-1A ¹	L-854 Radio Controller (Multi-Step for Airport Use). Type 1, Style A. 90-264 VAC, 50 or 60 Hz.
47-RDL854-1A-12V ¹	L-854 Radio Controller (Multi-Step for Airport Use, Low-Voltage, Solar Power). Type 1, Style A. 12V Input/Output.
47-RDL854-HD30 ¹	L-854 Radio Controller with 30 Amp Contactor, Single-Circuit (Heliport or General Use). Type 1, Style A.
47-RDL854-HD40 ¹	L-854 Radio Controller with 40 Amp Contactor, Single-Circuit (Heliport or General Use). Type 1, Style A.
47-RDL854-CUSTOM ¹	L-854 Radio Controller Custom Configuration (e.g., 50 Amp, Non-Enclosure, etc.). Type 1, Style A.
47-ANTKIT25	Antenna Kit with Antenna, Surge Suppressor, Mounting Bracket, and 25' LMR240 Coax Cable.
47-ANTKIT50	Antenna Kit with Antenna, Surge Suppressor, Mounting Bracket, and 50' LMR240 Coax Cable.
47-ANTKIT100	Antenna Kit with Antenna, Surge Suppressor, Mounting Bracket, and 100' LMR400 Coax Cable.
47-ANTKITCUSTOM	Antenna Kit with Antenna, Surge Suppressor, Mounting Bracket, and Custom-Length Coax Cable.
47-ANTCABLE	Antenna Cable only with UHF/BNC Connectors.
47-RAD-TUPAINT	Orange Touch-Up Paint

¹ Please provide frequency; default is 122.8 MHz. Antenna Kit sold separately.

Important: If the controller is used for a helipad application, whether AC or DC, the total wattage being controlled must be specified. Please be aware that radio controllers used for voltage applications are not dimmable.

Dimensions: 10" x 12.75" (25.4 cm x 32.385 cm). Weight: 28 lb. (12.7 kg)

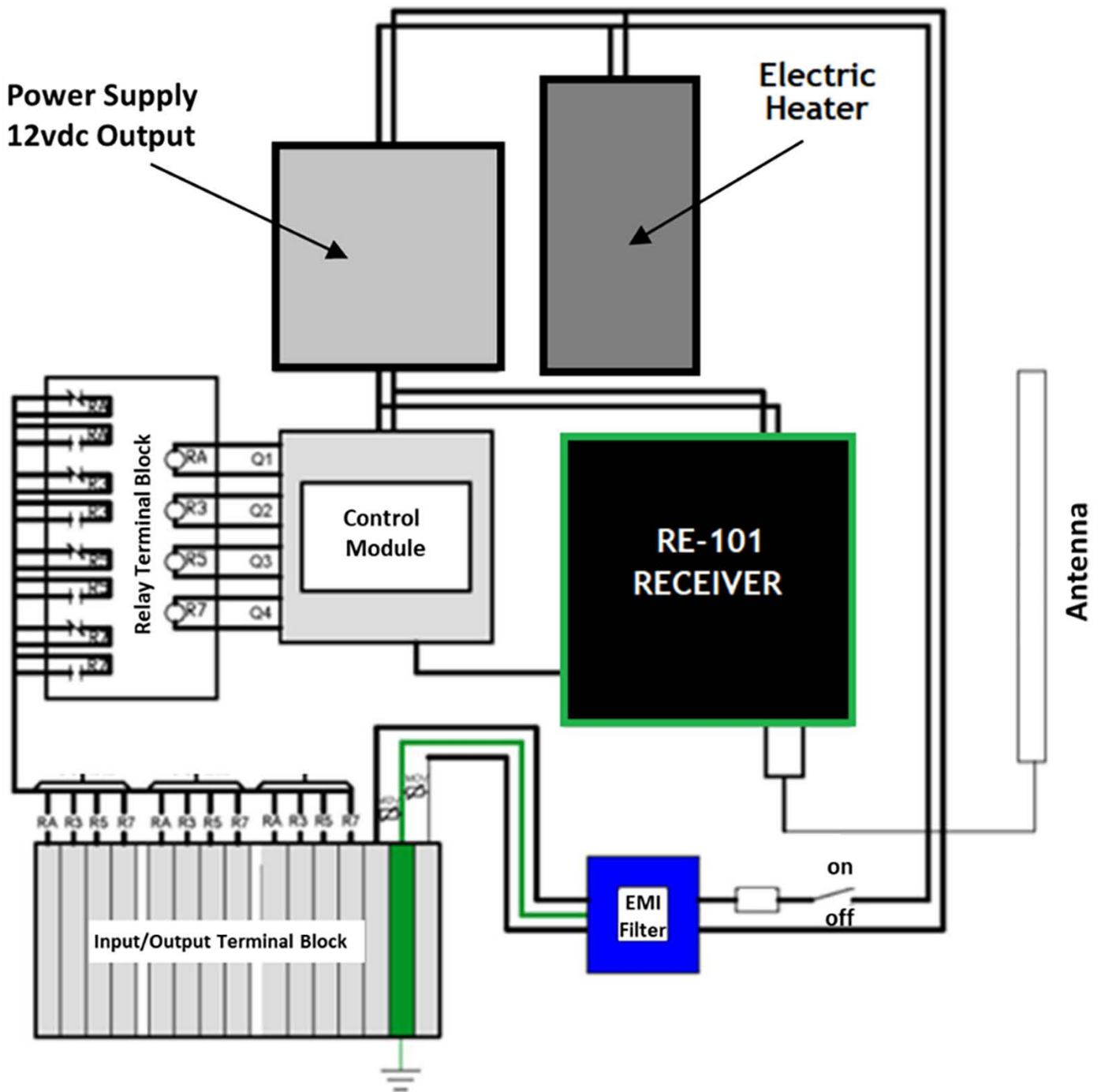


RDL8541A ELECTRICAL CHARACTERISTICS @ 120VAC 60Hz			
INPUT VOLTAGE	AC CURRENT STANDBY MODE	AC CURRENT ACTIVE MODE	AC CURRENT W/100W HEATER ON
90-264 VAC, 50-60Hz AUTO SENSING	0.088 A	0.1 A	1.4 A

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Component Layout