1. PRODUCT DESCRIPTION

Linear’s single-channel standard digital receivers are used in wireless security systems and for various remote control applications. The receiver is typically connected to inputs of a hardwired alarm control panel, providing wireless remote capability.

Five models of the single-channel receiver are available.

- Model D-67: Standard receiver, the output triggers for a minimum of four seconds when actuated and will stay triggered as long as the transmitter is activated.
- Model D-67L: Latching receiver, the output latches when activated until reset manually.
- Model D-67F: Toggling receiver, the output alternately latches and unlatches when actuated.
- Model DX-12: Shielded receiver in a metal case with an external antenna input for connection to a Model EXA-1000 or EXA-2000 remote antenna, output triggers as long as the transmitter is activated. To set a security code, standard digital receivers contain an eight-position coding switch. The receiver will only activate from transmitters set with a matching code. Multi-channel standard digital transmitters require setting some of the receiver code switches to pre-defined settings to select the activation channel. Refer to the instructions included with multi-channel transmitters for coding requirements.
- For power, the D-67 & DX-12 receivers require 11-24 VDC or 12-16 VAC. The D-67L & D-67F receivers require 11-14 VDC or 12 VAC. Current consumption for all models is 15 mA during standby and 40 mA when the relay is energized.
- Each receiver’s relay output provides normally open and normally closed (Form “C”), with dry contacts rated 1 AMP @ 32V AC/DC maximum. The receiver power input terminals require 11-14 VDC or 12 VAC. Current consumption for all models is 15 mA during standby and 40 mA when the relay is energized.

2. COMPONENT LOCATIONS

- Antenna Connection (For Model DX-12 Only)
  - Power Input Wires: Connect the gold (+) wire to the positive power source and the silver (-) wire to the negative power source.
  - Antenna Connector: Connect the antenna cable to the antenna connector.
  - Relay Latch Reset Button (Model D-67, DX-12 Only): Connect to the common terminal and normally closed loop terminals.

3. SETTING THE CODE SWITCH

- Use a pointed object to set on/off switches to match the code in all transmitters used with the receiver.

4. TYPICAL ALARM CONTROL PANEL CONNECTIONS

- Relays are used to connect the receiver to the control panel. The relay contacts are normally open and normally closed.

5. ANTENNA CONNECTION (FOR MODEL DX-12 ONLY)

- Model EAX-1000 Directional Antenna
- Model L.A.P. 9” Whip Local Antenna (Connects Directly To The Receiver)

6. MOUNT RECEIVER

- For D-67 Receivers: Use appropriate fasteners to secure the receiver to the mounting surface. IMPORTANT: Do not mount D-67 Receivers inside a metal enclosure.

7. TEST SYSTEM

- 1. Apply power to the receiver. Be sure the alarm control panel is disarmed or in a test mode.
- 2. Transmit each transmitter connected to the receiver. The receiver relay should click. Verify that the proper alarm control panel loop is violated when the receiver activates.
- 3. If the receiver fails to activate, check the code switch settings and verify that receiver has power.

Linear Limited Warranty

This Linear product is warranted against defects in material and workmanship for twelve (12) months. This warranty extends only to the customer who first purchased this Linear product from Linear LLC or from an authorized Linear distributor or dealer, and these facts should be communicated to the ultimate users. A general knowledge of radio and its vagaries should be gained prior to acting as a wholesale distributor or dealer, and these facts should be communicated to the ultimate users.

Important: Electronic products are no better than the inspection and maintenance they receive over time. It is recommended that customers instruct their customers to test this equipment regularly, at least once a week.

Linear radio controls provide a reliable communications link and fill an important need in portable wireless signaling. However, there are some limitations which must be observed:

- For U.S. installations only: The radios are required to comply with FCC Rules and Regulations as Part 15 Devices. As such, they have limited transmitter power and therefore limited range.
- A receiver cannot respond to more than one transmitted signal at a time and may be blocked by radio signals that occur on or near their operating frequencies, regardless of code settings.
- Changes or modifications to the device may void FCC compliance. Always use the radio link with a FCC license.
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Linear LLC hereby disclaims any liability for damages arising out of use or misuse of this equipment, and the use of this equipment is at the user’s own risk. All implied warranties, including implied warranties of merchantability and implied warranties for fitness are hereby disclaimed. Linear LLC is not responsible for any loss of property, revenue, or profit, or cost of removal, installation, or reinstallation. All implied warranties, including implied warranties of merchantability and implied warranties for fitness, are hereby disclaimed.

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