DXR-701
SINGLE-CHANNEL DIGITAL RECEIVER

Installation Instructions

The DXR-701 is a digital receiver with an isolated relay output designed for use with Linear's DX Format transmitters. This receiver can be used in a variety of remote control applications. When the receiver detects a signal from a transmitter programmed into its memory, the relay output activates. The relay has four optional output configurations.

In a typical installation, the receiver is connected to an alarm control panel, door strike, camera, high current relay or some other device. A transmitter is used to activate or control the device. The receiver should be mounted with the supplied mounting bracket indoors or inside a weather resistant non-metallic housing.

The digital DX code format features over a million possible codes. The DX transmitters are pre-coded at the factory to unique codes, so no field coding is required. Receivers must be programmed to the transmitter's code before system testing and operation. Up to 32 transmitters can be programmed into the receiver's memory. The memory is retained, even without power. The unit can be powered from a 11-17 VDC or 12-16 VAC power source. The relay's normally open and normally closed contacts can switch up to 1 amp at 24 volts AC/DC.

Circuit Cut Jumpers select how the relay activates. The factory setting causes the relay to engage for four seconds each activation. Optionally, the relay can be set to engage for one second, toggle on with one activation then off with the next, or latch engaged until reset by pressing the program button.

System Testing

1. Activate each transmitter, one at a time.
2. Listen for relay click in receiver.
3. Verify that the device connected to the receiver responds.
4. Test portable transmitters in various locations to determine system performance.

Program Memory

1. Press program button and continue to hold it through the count of the transmitters.
2. Continue to hold the button after the count until the indicator blinks one more time (about five seconds after the count).
3. All transmitters programmed into memory will be erased.

Erasing Memory

1. Press and hold button for five seconds after the transmitter count.
2. All transmitters programmed into memory will be erased.

Checking Memory

1. Press and hold through the count and hold for 4 seconds more.

Mounting Receiver

1. Mount receiver as high as possible for best radio range.
2. Keep receiver away from metal electrical devices that may interfere with the receiver.
3. Keep receiver away from motors, fans and other electrical devices that may interfere with the receiver.
4. Pull antenna straight up.

Linear Limited Warranty

The linear product is warranted against defects in material and manufacture for twelve (12) months. The Warranty Expiration Date is labeled on the product. This warranty extends only to wholesale customers who buy direct from Linear or through Linear's normal distribution channels. Linear does not warrant this product to consumers. Consumers should inquire from their selling dealer as to the nature of the dealer's warranty, if any.

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 or near their operating frequencies, regardless of code settings.

IMPORTANT III

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

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Changes or modifications to the device may void FCC compliance.

Contact Linear Technical Service at 1-800-421-1587 for an RPA# and other important details.

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