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# NEATROL SYSTEMS

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## AKRX22-P Plug in receiver Instructions

### Description

The AKRX22-P is a self-contained 433.92MHz rolling key receiver designed to be directly plugged into door and gate controls configured to accept standard ELSEMA / ATA plug-in receiver boards in either 1 or 2 channel configuration.

### Channel Setting

This receiver is capable of learning up to 85 unique transmitters and can be used in either a one or two channel configuration. In single channel mode (invoked when the **L** and/or **R** links are fitted) the receiver will activate the primary output according to the following criteria: If the **L** (left) link only is installed, the receiver will only accept a left button press from a transmitter. If the **R** (right) link only is installed, the receiver will only accept a right button press from a transmitter. If both links are installed, both buttons will be accepted.

In dual channel output mode (invoked by removing both the **L** and **R** links) the left button will operate the primary output and the right button will operate the secondary relay.

### Programming

Before any transmitters are learnt into the receiver, use a small metal object such as a screwdriver to momentarily short between the **CLEAR** pins of the receiver. The red light on the receiver will illuminate to indicate that all memory locations have been cleared and the receiver is ready to accept new transmitters.

Next press and hold the **ADD** button. The red light will illuminate for as long as the **ADD** button is depressed. To learn in transmitters, simply press one of the buttons of the transmitters to be added. If the transmitter is newly learnt, the red light will blink off for half a second to indicate a successful learn. If the transmitter has already been learnt or is faulty, the light will not blink and that transmitter will not be added. Up to 85 transmitters total can be added if and when required. A new transmitter can be added at any time by simply pressing the **ADD** button and one of the transmitter's buttons.

### Antenna

An ideal antenna for this receiver is an insulated wire 350mm in length connected to the ANT terminal of the gate controller.