Neatrol Systems AKRX64-S Receiver Decoder

- 6 button input / 4 channel output
- 340 slot capacity
- Compatible with Airkey Programmer & Airkey Manager
- Operates with both 2, 4 & 6 button Airkey transmitters
- Remote receiver learning function
- Operates from 12-28V AC/DC

Power supply link (near heatsink):
To operate receiver on 12-28VAC or >12VDC, place power link on HV.
To operate on 12V battery, place power link on LV.
(This will enable relays to continue operating with voltage down to 10V.)

Remote Learning Header:
Remote learning is disabled by removing the 5 pin header.
The header must be removed before connecting an Airkey Programmer or Airkey Manager,
or before using the manual ADD or CLR buttons.

Clearing Receiver: To clear all remotes, hold CLR button until Rx/OK LED turns on (Approx 5sec).

Learning Airkeys into Receiver:
To learn remotes, hold ADD button** and activate each remote in turn.
Rx/OK LED will flash off for each remote learned.
** Alternatively install link between pins 2&3 of ICSP header while learning a batch of remotes.

Remote Learning: The 5 pin header (included) must be plugged onto ICSP header with pin 1 (bevel)
towards the centre of the receiver board to enable remote learning.

The header should be installed without power applied to the receiver.
Alternatively, the header may be installed while the ADD button is held down.

Simultaneously press buttons 1&2 of a previously learned Airkey to activate learning mode,
and then press any button of a new Airkey within 3 seconds to learn the new remote into the receiver.

Care should be exercised if more than one receiver with the same Airkeys is within range,
as the remote learning function will operate simultaneously on all the receivers within range.

Minimum antenna : Use 160mm length of 21AWG wire (Approx 0.5mm^2)
For optimum reception the antenna should be straight, vertical, and clear of metallic objects.

Button / Relay Selections: Various button & output combinations can be selected by inserting links at
positions M1/M2/FF, following the descriptions in the selection table.

Links 1-2-FF	Operating Function	Relay 1	Relay 2	Relay 3	Relay 4
0-0-0	Momentary Pulse	1	2	3	4
1-0-0		3	4	5	6
0-1-0	Hold Output	1	2	3	4
1-1-0		3	4	5	6
0-0-1	Flipflop	1	2	3	4
1-0-1		3	4	5	6
0-1-1	Momentary & Flipflop	1 (Mom)	2 (Mom)	3 (FF)	4 (FF)
1-1-1		3 (Mom)	4 (Mom)	5 (FF)	6 (FF)