4 CHANNEL RADIO RECEIVER MODEL 4224
INSTALLATION MANUAL

NOTE: The model 4224 Receiver operates in conjunction with model 4216 4 Channel key Fob Transmitter and model 4244 Fork Lift Truck, Rolling Code transmitters.

ACCESS TO TERMINALS
Remove the main cover by sliding it off the base in the direction of the aerial.

ANTENNA (AERIAL)
Note that the antenna (aerial) is fixed and is protected by the outer cover moulding. Be careful when replacing the cover to ensure that the antenna slides back into the protective recess in the cover.

WIRING
14-Way connector
A 12-24V A/C or DC supply should be connected to the two left hand end terminals of the 14-way connector. The supply terminals are not polarity conscious.

Note: The GREEN LED LD1 will illuminate when power is applied.

The relay output terminals are labelled as follows:

      NC1 COM1 NO1   NC2 COM2 NO2   NC3 COM3 NO3   NC4 COM4 NO4

The terminal marked NC means NORMALLY CLOSED and refers to the common (COM) terminal.
The terminal marked NO means NORMALLY OPEN and refers to the common (COM) terminal.
The relay's contacts are isolated volt-free and are isolated from other relay contacts.
Note that each of the relay output terminals respond to the related button of the Transmitter. (Buttons 1, 2, 3, or 4).

MOUNTING
If the receiver is mounted in a plastic control box, ensure that it is not sited next to devices likely to emit electrical noise, such as contactors, electronic timers, inverters or other similar devices. The receiver should not be mounted in a steel control box as the radio signal reception will be very poor or non-existent.   Two screws and plastic plugs are supplied for mounting.

RELAY OPERATING MODE SELECTION

	ON	**OFF**	**TRANSMITTER OR CASE BUTTON**
DIP SWITCH 1	Channel 1 LATCH	Channel 1 MOMENTARY	1
DIP SWITCH 2	Channel 2 LATCH	Channel 2 MOMENTARY	2
DIP SWITCH 3	Channel 3 LATCH	Channel 3 MOMENTARY	3
DIP SWITCH 4	Channel 4 LATCH	Channel 4 MOMENTARY	4

Note that the receiver is shipped with all 4 DIP switches set to OFF for MOMENTARY operation.

TRANSMITTER CODE PROGRAMMING

Up to 30 transmitter codes can be programmed into the receiver's memory.
Locate the LEARN button which is next to the DIP switches.

1. Press and release the LEARN button
2. The RED LED LD2 will illuminate.
3. Press and release any one of the transmitter buttons.
4. The RED LD2 will turn off.
5. Press and release the same button a second time.
6. The RED LED LD1 will flicker for a few seconds to indicate that the programming is successful.

TRANSMITTER CODE ERASURE

1. Press and HOLD the LEARN button
2. The RED LED LD2 will illuminate for 8 seconds.
3. Release the LEARN button when the LED turns off.
4. The RED LED LD1 will illuminate for 2 seconds to confirm that all codes have been erased.

ADDITIONAL TRANSMITTER CODE PROGRAMMING

If one transmitter has already been programmed into the receiver memory then it can be used to initiate programming of further codes without removing the receiver cover as follows:

1. Using the existing programmed transmitter, press and release both button 1 and button 2 together.
2. Then press button 2. This puts the receiver into a program mode.
3. Then press button 1 of the new transmitter TWICE.
4. Test the operation of the new transmitter to confirm that the new code has been stored in memory.

SPECIFICATION

Working voltage: 12-24V A/C or DC.

Operating temperature range: -20 to +60 degrees Celsius.

Operating frequency: 433.92 MHz.

Transmitter code type: Rolling code.

Relay load capacity: 240V 3A A/C, 0.5HP. 30V 3A DC.