

**AMBER**

**MODEL 4244**

## **4 CHANNEL FORK LIFT TRUCK MOUNTING TRANSMITTER INSTALLATION MANUAL**



**NOTE:** The model 4244 Transmitter operates in conjunction with the Amber model 4224 4 Channel Receiver.

### **SPECIFICATION**

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

Enclosure & Buttons: IP65

Operating frequency: 433.92 MHz.

Transmitter code type: Rolling code.

Battery: CR2450 Lithium 3V. The battery life should be in excess of 10 years.

### **ANTENNA**

Note that the antenna is internal.

### **MOUNTING**

The Transmitter case may be mounted either on the fascia of the fork lift truck or on the engine cover to the right-hand side of the driver's seat using the 4 TEK screws provided

**LED** Note that the red LED will illuminate when a button is pressed, to confirm that the transmitter is working.

The brightness of the LED is an indication of the state of charge of the battery.

**Page 1**



## MODEL 4244

# 4 CHANNEL FORK LIFT TRUCK MOUNTING TRANSMITTER INSTALLATION MANUAL

### PROGRAMMING EACH DOOR

The model 4244 Transmitter operates in conjunction with model 4224 4 Channel Receiver.

If there are more than 4 doors to be controlled by the transmitter, it is recommended that a coloured spot is painted on each door as follows:

DOOR 1, 5, 9, 13 etc. RED

DOOR 2, 6, 10, 14 etc. YELLOW

DOOR 3, 7, 11, 15 etc. GREEN

DOOR 4, 8, 12, 16 etc. BLUE

**NOTE THAT IT IS IMPORTANT IN CONSIDERATION OF SAFETY THAT EACH DOOR IS PROGRAMMED TO AUTO-CLOSE TO ENSURE THAT AN INCORRECT BUTTON PRESS WILL NOT CLOSE THE WRONG DOOR.**

### DOOR CONTROL

It is anticipated that the remote control of each door will not affect the operation of another door on the same channel as each 5th door is likely to be out of operating range of the first door.

### RECEIVER WIRING

Please refer to the instructions for the Amber model 4224 Remote Control Receiver.

Although it is possible to connect each group of 4 doors to one receiver. It is preferable to install a separate receiver for each door as the receiver's position with its internal antenna will provide the optimum remote control operating range for each door

The Normally Open (N/O) and COMMON relay contacts of each receiver channel should be wired to the related OPEN terminals of each door control unit as follows:



## MODEL 4244

# 4 CHANNEL FORK LIFT TRUCK MOUNTING TRANSMITTER INSTALLATION MANUAL

DOOR NUMBERS 1, 5, 9, 13 etc. to CHANNEL 1 N/O and COM TERMINALS

DOOR NUMBERS 2, 6, 10, 14 etc. to CHANNEL 2 N/O and COM TERMINALS

DOOR NUMBERS 3, 7, 11, 15 etc. to CHANNEL 3 N/O and COM TERMINALS

DOOR NUMBERS 4, 8, 12, 16 etc. to CHANNEL 4 N/O and COM TERMINALS

Note that the relay contact terminals are all volt-free.

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 each receiver's memory.

Locate the LEARN button on the receiver panel, which is next to the RED 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.



## MODEL 4244

# 4 CHANNEL FORK LIFT TRUCK MOUNTING TRANSMITTER INSTALLATION MANUAL

### 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.