

JACK- (4 INPUT RADIO TRANSMITTER FOR BASE STATIONS)

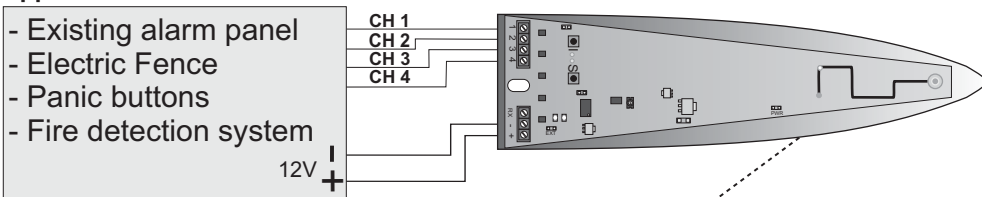
JACK - 4 CH UHF TRANSMITTER

Description:

The JACK TRANSMITTER is a UHF 100mW 4 channel transmitter that may be monitored by a base station up to 6 km away (depending on environment).

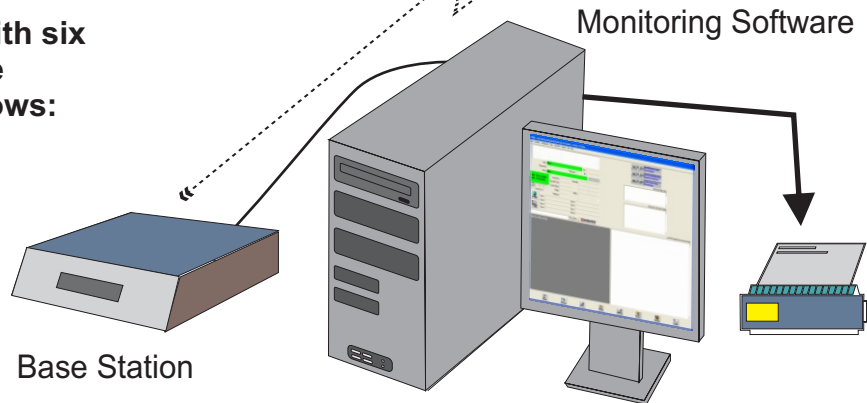
Applications:

- Existing alarm panel
- Electric Fence
- Panic buttons
- Fire detection system



The Jack is supplied with six colour coded wires. The connections are as follows:

- Yellow:** Channel 1
- Green:** Channel 2
- Blue:** Channel 3
- White:** Channel 4
- Red:** Positive 12v
- Black:** Negative 0v



Power is constantly applied to the unit but each channel is triggered by applying a positive 12v to the input.

CODE PROGRAMMING

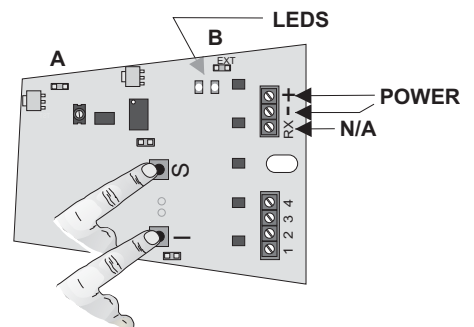
The frequency is pre programmed in the factory. The ID code **MUST** be programmed by the user. This can be done manually (see below) or using our standard universal programmer (supplied separately).

NOTE: A test signal is sent every 24 hours. This may be changed on request.

Transmitter code:

Programming is accomplished by using the **I (Inc)** and **S (Step)** buttons.

- 1- Apply power to the unit
- 2- Press and hold the **Inc** button until the green and red LED flash continuously
- 3- Using the **Inc** and the **Step** buttons enter a 5 digit number (**NO HIGHER THAN 09999**) which will be the Transmitter Code (ID).
- 4- After the fifth digit is entered the onboard LEDs will flash for one second.
- 5- Press the **Step** button **TWICE** to exit programming or simply remove power.



Example:

(Step) Steps you to the next digit and **(Inc)** Increments that digit

To program the Transmitter (ID) Code to 01234 (5 digits with leading zero)

Hold the **I** button until the green and red LED flash continuously.

Now using **I** and **S** enter 5 Digits (01234) = **S** **IS** **IIS** **IIIS** **IIIS**
0 1 2 3 4

INPUT RESTORE REGISTER (option 03) S (0) | | | S (3) only applicable with constant power applied

Now press 4 zeroes (S) or ones (|) to select which inputs will TRIGGER and RESTORE

1	0 = INPUT 1 - TRANSMISSION ON ACTIVATE ONLY	1 = INPUT 1 TRANSMISSION ON ACTIVATE AND RESTORAL	0
2	0 = INPUT 2 - TRANSMISSION ON ACTIVATE ONLY	1 = INPUT 2 TRANSMISSION ON ACTIVATE AND RESTORAL	0
3	0 = INPUT 3 - TRANSMISSION ON ACTIVATE ONLY	1 = INPUT 3 TRANSMISSION ON ACTIVATE AND RESTORAL	0
4	0 = INPUT 4 - TRANSMISSION ON ACTIVATE ONLY	1 = INPUT 4 TRANSMISSION ON ACTIVATE AND RESTORAL	0

FACTORY DEFAULT

N/O OR N/C INPUT REGISTER (option 04) S (0) | | | | S (4) only applicable with constant power applied

Now press 4 zeroes (S) or ones (|) to select which inputs are N/O and which are N/C

1	0 = INPUT 1 - POSITIVE TRIGGER (APPLYING +12V)	1 = INPUT 1 - NEGATIVE TRIGGER (REMOVING 12V)	0
2	0 = INPUT 2 - POSITIVE TRIGGER (APPLYING +12V)	1 = INPUT 2 - NEGATIVE TRIGGER (REMOVING 12V)	0
3	0 = INPUT 3 - POSITIVE TRIGGER (APPLYING +12V)	1 = INPUT 3 - NEGATIVE TRIGGER (REMOVING 12V)	0
4	0 = INPUT 4 - POSITIVE TRIGGER (APPLYING +12V)	1 = INPUT 4 - NEGATIVE TRIGGER (REMOVING 12V)	0

FACTORY DEFAULT

INPUT DETECTION TIME (option 05) S (0) | | | | | S (5)

Now press 4 zeroes (S) or ones (|) to select which inputs have a delayed detection

1	0 = INPUT 1 DETECTION TIME = 0.3 SEC.	1 = INPUT 1 DETECTION TIME = 20 SEC.	0
2	0 = INPUT 2 DETECTION TIME = 0.3 SEC.	1 = INPUT 2 DETECTION TIME = 20 SEC.	0
3	0 = INPUT 3 DETECTION TIME = 0.3 SEC.	1 = INPUT 3 DETECTION TIME = 20 SEC.	0
4	0 = INPUT 4 DETECTION TIME = 0.3 SEC.	1 = INPUT 4 DETECTION TIME = 20 SEC.	0

FACTORY DEFAULT

To program inputs 3 and 4 trigger from Positive(N.O.) to Negative (N.C.)

Hold both the S and the | buttons until the green and red LED flash continuously

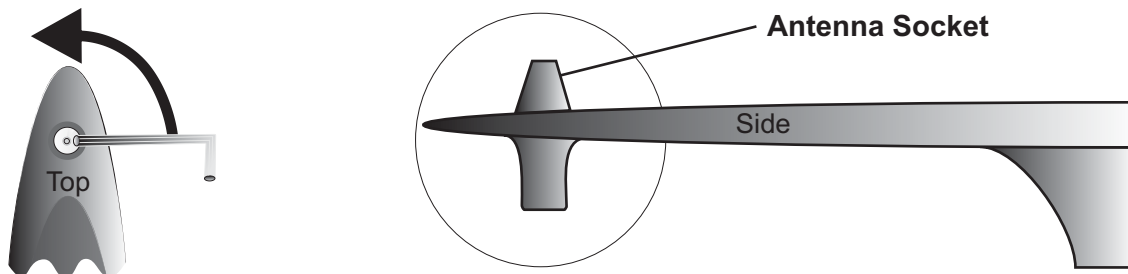
then select the option number (04) S (0) | | | | S (4)

follow with two zeroes and two ones: S (0) S (0) | (1) | (1)

The on board LED's will indicate the progress and the completion of each task

How to open the JACK R:

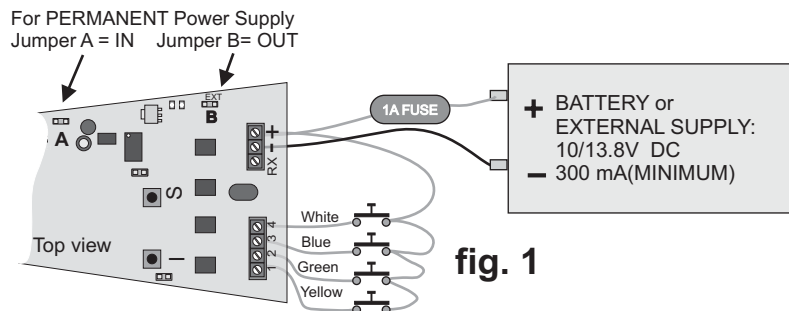
Use the allen key inserted into the grub screw to remove the antenna socket.



NB: When closing, make sure that the cover is properly seated and that the antenna socket is tightened for good contact.

Power Connection

12v dc supply is permanently connected to the unit. Contacts are connected to the 4 inputs and each channel is triggered by applying power to the input.



Technical Specifications

Parameter	Min.	Typ.	Max.	Unit
Power supply: Voltage D.C Current (100 mW)	10	13 100	13.8	V (dc) mA
Transmitted power (link out) rms (50 Ohms)	80	90	100	mW