MAMI

MANUFACTURING AND MINOR INVENTIONS

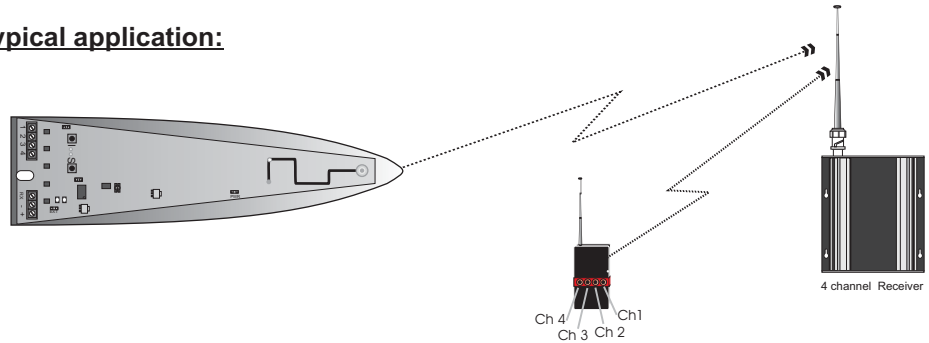
LONG RANGE REMOTE CONTROL (HOG) D1

M000051

HOG (LONG RANGE REMOTE CONTROL)

Description:
The **Hog** (long range remote control) is a UHF 100mW transmitter capable of activating up to 4 relay outputs in a receiver up to 6 km away (depending on terrain). The 4 inputs (channels) on the transmitter each correspond to a relay on the receiver. Each relay on the receiver can be individually programmed to perform different functions such as momentary, timer, toggle (see receiver instructions). The device (ID) codes may vary from 1 - 1023.

Typical application:



ID CODE PROGRAMMING

The **Hog's** basic functions are preprogrammed 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).

Manual programming:

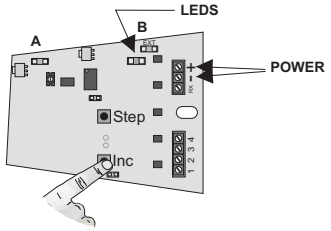
This is accomplished by using the **Inc** and **Step** buttons. Please note that a five digit number is always required, no higher than 1023.

Transmitter code:

Please follow these simple steps carefully:

1- Apply power to the unit

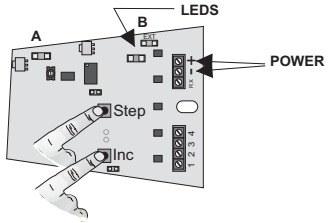
2- Press and hold the **Inc** button until the green and red LED flash continuously



3- Using the **Inc** and the **Step** buttons enter a 5 digit number *(NO HIGHER THAN 01023)* which will be the Transmitter Code (ID).

4- After the fifth digit is entered the onboard LEDs will flash to indicate completion.

5- Press the **Step** button TWICE to exit programming or simply remove power.



Examples on next page

Examples:

1. To program the Transmitter (ID) Code to 00123 (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 (00123) = **S** **S** **I S** **II S** **I I I S**
0 **0** **1** **2** **3**

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

2. To program the Transmitter (ID) Code to 01132 (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 (00132) = **S** **S** **I S** **I I I S** **II S**
0 **0** **1** **3** **2**

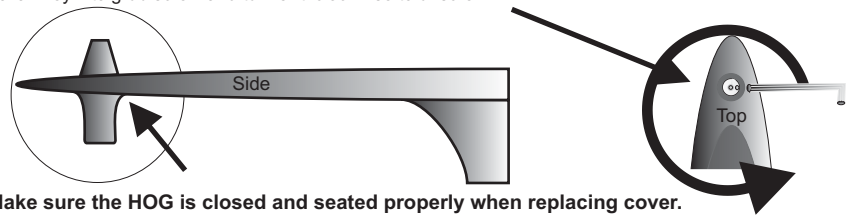
(Step) Steps you to the next digit and **(Inc)** Increments that digit

Connections:

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

How to open the HOG:

Insert allan key into grub screw and turn anti clockwise to unscrew.



NB: Make sure the HOG is closed and seated properly when replacing cover.

Permanent power

12v dc supply is permanently connected to the unit. Contacts are connected to the 4 inputs a small (20mA) current is constantly drawn

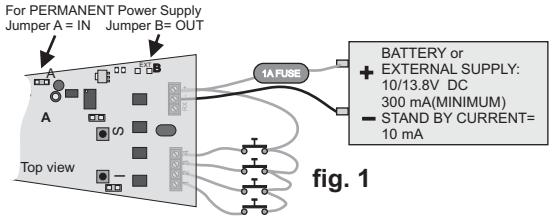


fig. 1

Power applied through the inputs

The negative is permanently connected power and trigger (+12v dc) is applied to any of the inputs (Normally Open contact may be used) no current is drawn but transmission stops on removing the trigger input.

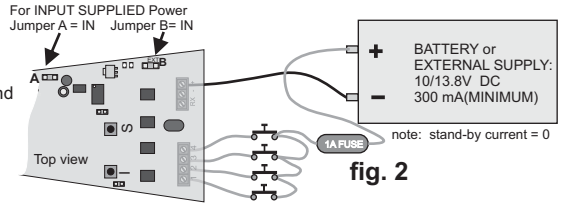


fig. 2

Technical Specifications

Parameter	Min.	Typ.	Max.	Unit
Power supply: Voltage D.C	10	13	13.8	V (dc)
Current (100 mW)		100		mA
Current (800 mW)		250		mA
Transmitted power (link out) rms (50 Ohms)	80	90	100	mW

Application current consumption	Min.	Typ.	Max.	Unit
Transmitter in permanent power mode (13vdc)	30	35	40	mA
Transmitter in Input powered mode (13vdc)	0	0	0	mA
Transmitter in Self-timed powered mode (13vdc)	0	0	0	mA
Transmission duty cycle = intermittent			50	%