

**SPECIFICATION**

Supply input	10.5 to 15v dc
Supply current	All relays energised 75mA
	All relays de-energised 25mA
Relay rating	max 1A 12vdc
Antenna connector	BNC
Frequency	173.225MHz
RF bandwidth	12.5 kHz
Sensitivity	-107dBm (1uV)

Typical radio range in free space:

Contact TX	250m
Internal PIR	200m
Remote control	150m
Gen purpose TX	500m
Ext PIR	500m

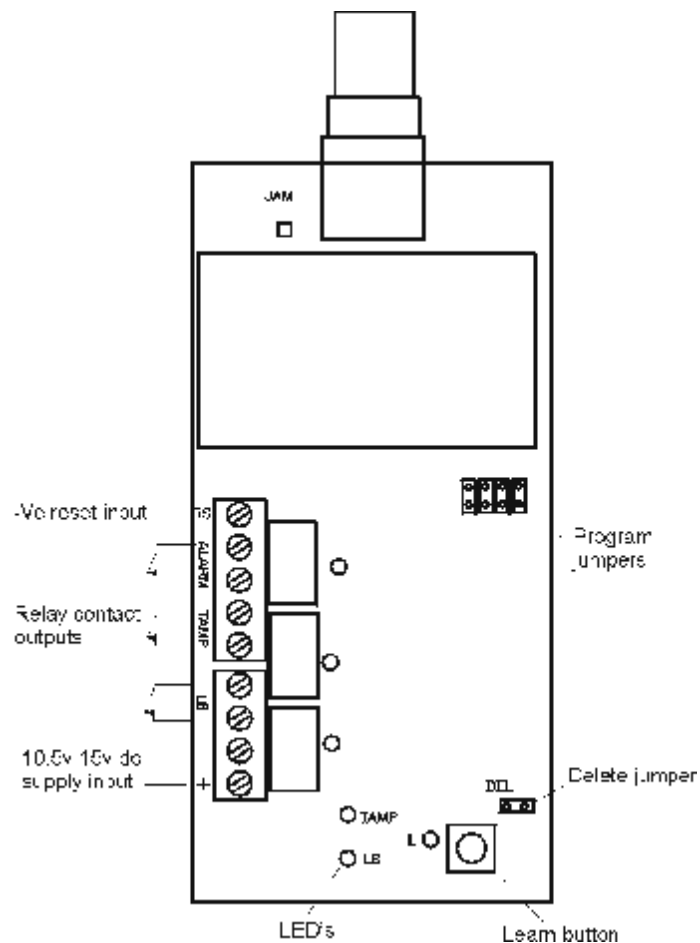
**4051-GB SINGLE ZONE RECEIVER**

The 4051-GB is a narrow band wireless receiver for use with the FM4000 series detectors and transmitters. Operates from an external 12v dc supply and has three clean contact outputs for Alarm, Tamper & Low battery.

Up to 32 devices may be programmed onto the receiver.

Operating modes are selected via 4 program jumpers.

The receiver is supplied with a helical stub antenna. For greater radio range, fit a remote antenna mounted as high as possible. Part No. HG1 or HG2



## INSTALLATION

Mount as high as possible ensuring the antenna is clear of any metalwork, e.g. wiring, pipe-work, metal building structures as this can reduce the radio range.

Connect a 12v dc supply to the receiver.

## OPERATING MODE

Select the operating mode by fitting the appropriate jumper links.

1 2 3 4



Jumper 1. Low current mode (for future options DO NOT FIT)

Jumper 2. Fitted the relay contacts are all energised N.C.  
Not fitted relays are all de-energised N.O.

Jumpers 3 & 4 Determine how the alarm relay operates:

Momentary 3 Sec. alarm	J3 & J4 not fitted
2 minute alarm.	J3 fitted, J4 not fitted
Latched output	J3 not fitted, J4 fitted
Toggle mode	J3 & J4 fitted

### Notes:

In latched mode the alarm relay is reset by applying a momentary –ve to the reset terminal. RS.

In toggle mode the alarm relay changes state with each transmission.

**Tamper relay** operates if a tamper transmission is received and restores when the tamper is cleared. (LED indicates when in tamper)

**Low battery relay** operates when a low battery transmission is received and restores when the low battery is cleared. (LED indicates when in low battery)

## ADDING WIRELESS DEVICES ONTO THE RECEIVER

Up to 32 devices may be programmed onto the receiver.

**Step 1** Press the Learn button. The green LED flashes.

**Step 2** Trigger a learn transmission from the wireless device. When the green LED stops flashing the device has been learnt.

**Step 3** Press Learn button again. Green LED flashes again ready to add the next device.

When finished programming press Learn button again. Green LED goes off.

## DELETING ALL DEVICES FROM THE RECEIVER.

Note: This will remove all devices from the receiver. Single devices cannot be removed.

Short out the DEL jumper.

Press the Learn button. All devices are now removed.

Remove the DEL jumper.

(The green LED stays off in this mode.)