

4058-GB REPEATER

SPECIFICATION

Supply input	10.5 to 15v dc
Supply current	60mA
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

The 4058-GB is a repeater for the FM4000 series security alarm detectors and transmitters, enabling radio range to be doubled.

There are two modes of operation:

Simple mode all signals received are re-transmitted. This mode is only suitable where there are a small number of devices within range of the repeater

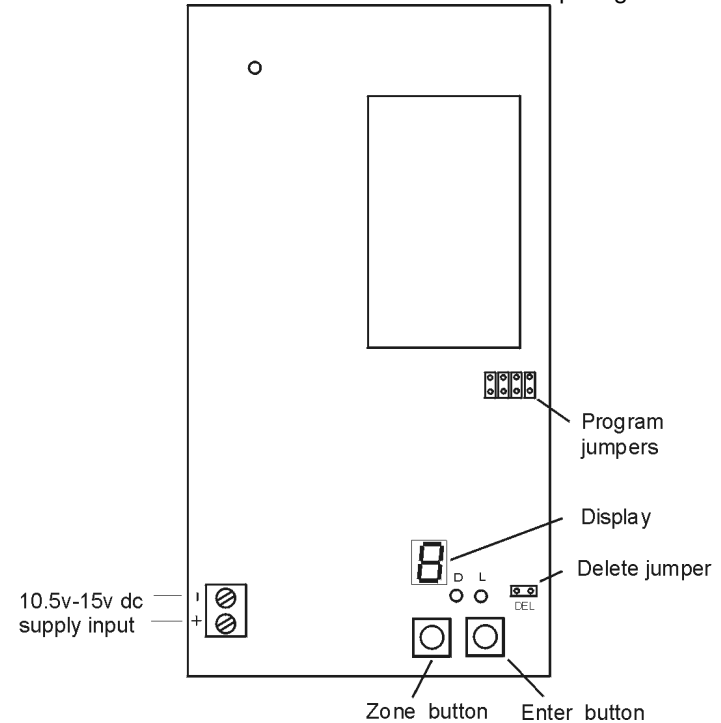
Selective mode only the devices programmed onto the repeater will be re-transmitted.

Up to 8 devices may be programmed onto each zone. (64 devices maximum)

Note: Selective mode must be used if more than one repeater is employed.

The repeater is supplied in a boxed power supply with provision to accept a 2.1AH standby battery.

The unit is supplied with an integral helical stub antenna. For maximum radio range use a HG1 or HG2 remote antenna mounted at rooftop height.



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.

Connection to a mains supply must be carried out by a qualified person.

OPERATING MODE

Select the operating mode by fitting the appropriate jumper links.

1 2 3 4



Jumper 1. Leave this jumper off

Jumpers 2 & 3 set the re-transmit delay. Allowing up to 4 repeaters to be employed within the same radio reception area to avoid transmission clash.

J2 & 3 fitted	First repeater (No delay)
J2 fitted J3 not fitted	Second repeater (2sec delay)
J3 fitted J2 not fitted	Third repeater (3 sec delay)
J2 & J3 both not fitted	Fourth repeater (4 sec delay)

Jumper 4 sets the operating mode

J4 not fitted	Simple mode
J4 fitted	Selective mode

NOTE: In normal operation the display flashes a number from 1 to 8. This number increments each time a transmission is received.

ADDING WIRELESS DEVICES ONTO THE REPEATER

In any operating mode the device must also be programmed onto the control panel or receiver.

In simple mode there is no need to program devices onto the repeater.

In selective mode the devices to be repeated must be programmed onto the repeater. Eight devices may be programmed onto each of the 8 zones.

Step 1 Press the zone button. To select the zone required.

When the correct zone number is displayed, Press the enter button. The green LED flashes.

(The display now shows how many devices are already programmed onto that zone)

Step 2 Trigger a learn transmission from the wireless device. When the green LED stops flashing the device has been learnt.
(The display shows how many devices are now on that zone)

Step 3 Press enter button again. Green LED goes off.
To add a further device to this zone repeat from step 2.
To exit press the enter button again. (the LED goes off)

DELETING DEVICES FROM THE RECEIVER.

This will remove all devices from the selected zone.

Step 1 Select the zone

Step 2 Short out the DEL jumper.

Step 3 Press the Enter button. The display goes blank momentarily All devices are now removed from that zone.

Step 4 Remove the Del jumper.