4055-GB   6 ZONE RECEIVER

SPECIFICATION

Supply input	10.5 to 15v dc
Supply current	All relays energised 200mA
	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

The 4055-GB is a narrow band, wireless receiver to receive alarm transmissions from the FM4000 series security alarm detectors and transmitters.

The FM4000 transmission propagation characteristics within buildings out performs all other UK & European wireless security products currently available.
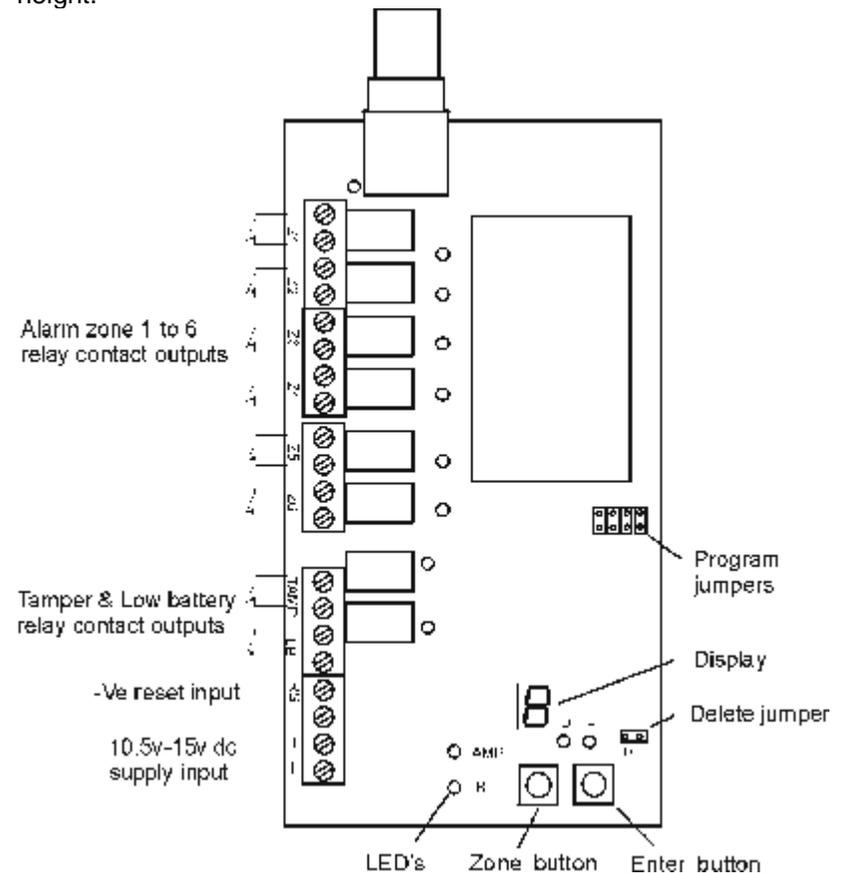
Operating from an external 12v dc supply, the receiver has six clean contact alarm outputs, plus two additional clean contact outputs for Tamper & Low battery.

Up to 8 devices may be programmed onto each zone. (48 devices maximum)

Outputs can be momentary, latched or toggled, programmed via jumper links.

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

CI-225 Iss1

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 (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 relays operate:

    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.
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

Eight devices may be programmed onto each of the 6 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 flashes ready to program the next device.

When finished press enter again. The green LED goes off.

To add a further device to another zone repeat from step 1.

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.