



## EDGARSSON SECURITY DESIGNS

### LONE WORKER / MAN DOWN / RADIO PANIC ALARM SYSTEM RECEIVER INSTRUCTIONS



#### OPERATION

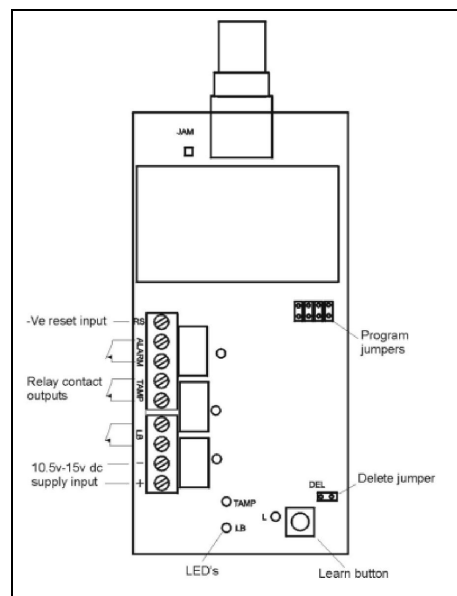
The Single Zone Receiver is a narrow band wireless receiver for use with the Lone Worker transmitter(s).

It operates from an external 12v dc mains adaptor to give audible alarm indication and visual Low battery indication

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.



#### 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.)

#### INSTALLATION

Mount as high as possible ensuring the antenna is clear of any metalwork, e.g. wiring, pipe-work, metal 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.

Jumper 2. Fitted the relay contacts are all energised N.C. Not fitted - 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 LED** operates if a tamper transmission is received and restores when the tamper is cleared. (LED indicates when in tamper)

**Low battery LED** operates when a low battery transmission is received and restores when the low battery is cleared.

#### 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:

Internal antenna 100 metres

Compressed antenna 250 metres

1/4 wave helical 500 metres