# RADIO INTERCOM RI-5330

## 1.1   Introduction

The Radio Intercom, Model RI-5330 is an Intercom system that allows people at gates and doors to contact staff inside the premises on their normal two-way radios.

The ID of the radio at the gate or door is automatically sent to receiving radios so that personnel know that it is an intercom call.

It is also possible for the radio user to open the gate or door.



## 1.2   Installation

The radio Intercom is easy to mount at the gate or door and connect up to the base radio simply by using the interface cables supplied.
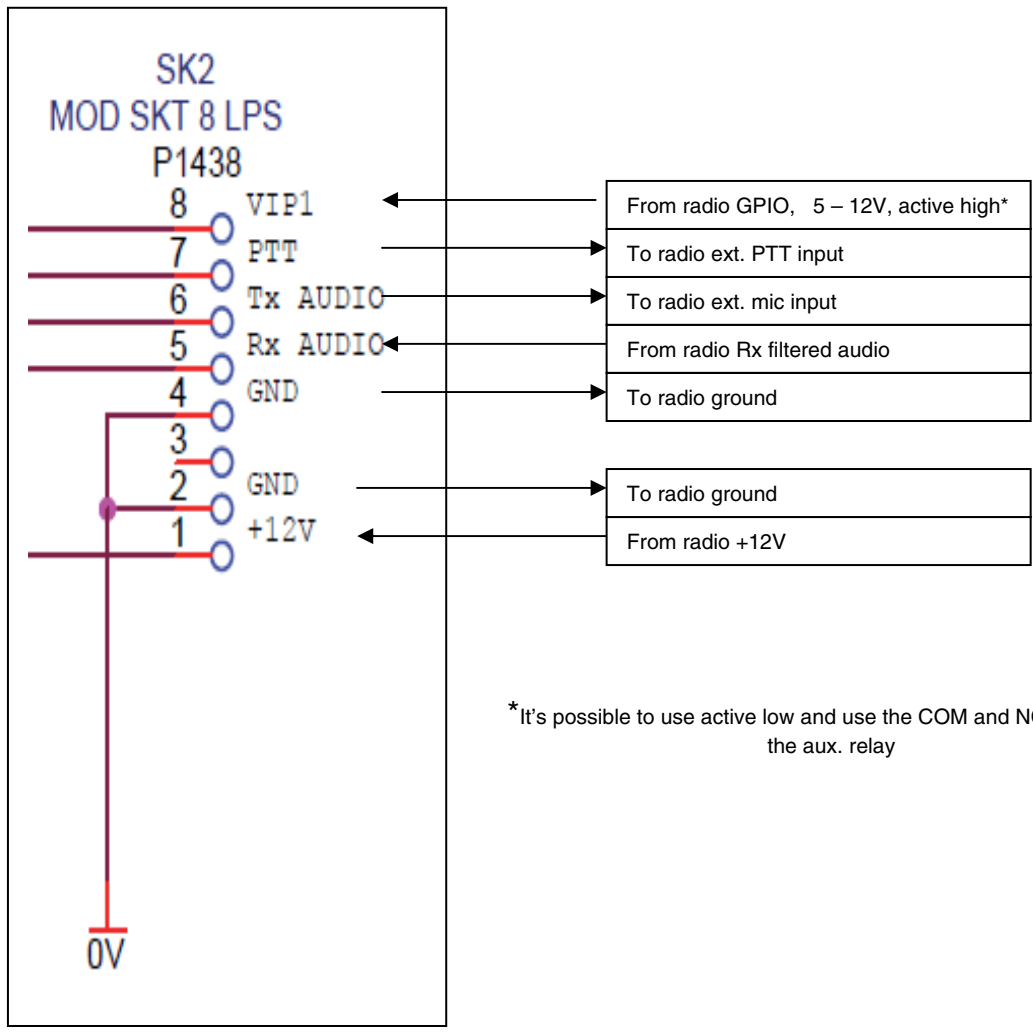
- The Door Plate is mounted on a bollard or wall.
- The Door Plate is connected to the Radio Intercom Interface box using a standard CAT5 network cable (5m cable supplied as standard).
- The Radio Intercom Interface box is connected to the base radio using the radio specific cable that was specified at the time of ordering.

The Door Plate is 304 stainless steel and can be mounted outdoors. The Interface box and radio are placed indoors.

## 1.3   User Instructions

- The person at the gate or door simply pushes the button to talk and releases the button to listen.
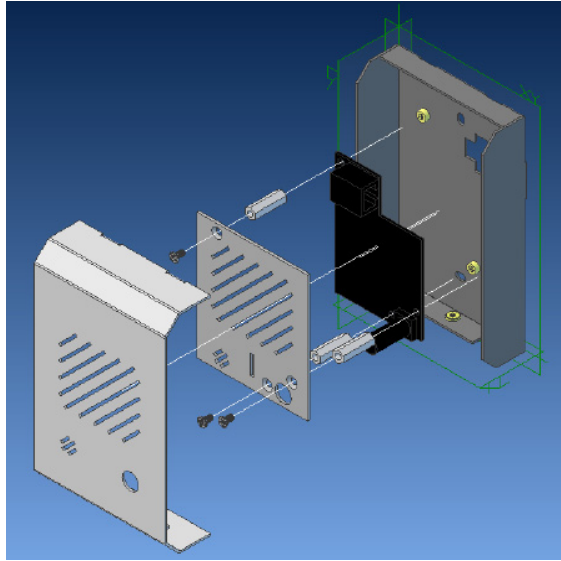
## 2.1   Pinouts to the Radio



| | |
|---|---|
| VIP1 | From radio GPIO,   5 – 12V, active high* |
| PTT | To radio ext. PTT input |
| Tx AUDIO | To radio ext. mic input |
| Rx AUDIO | From radio Rx filtered audio |
| GND | To radio ground |

| | |
|---|---|
| GND | To radio ground |
| +12V | From radio +12V |

*It's possible to use active low and use the COM and NC contacts of the aux. relay

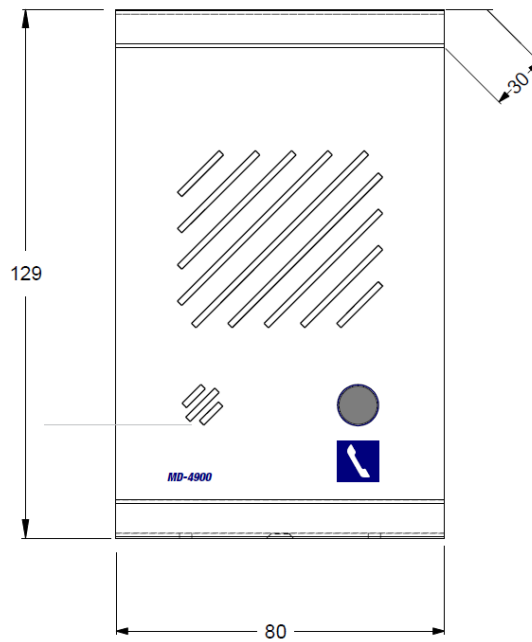## 2.2 Mounting Detail

### 2.2.1 Door Plate

The stainless steel front plate is surface mounted. An exploded view of the assembly is shown here:



### 2.2.2 Door Plate Dimensions

Mounting holes are spaced at standard electrical socket outlet dimensions.



Height from surface = 30mm

design2000

ACMA SUPPLIER'S CODE: N468
ERAC RESPONSIBLE SUPPLIER No.: E1287

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