





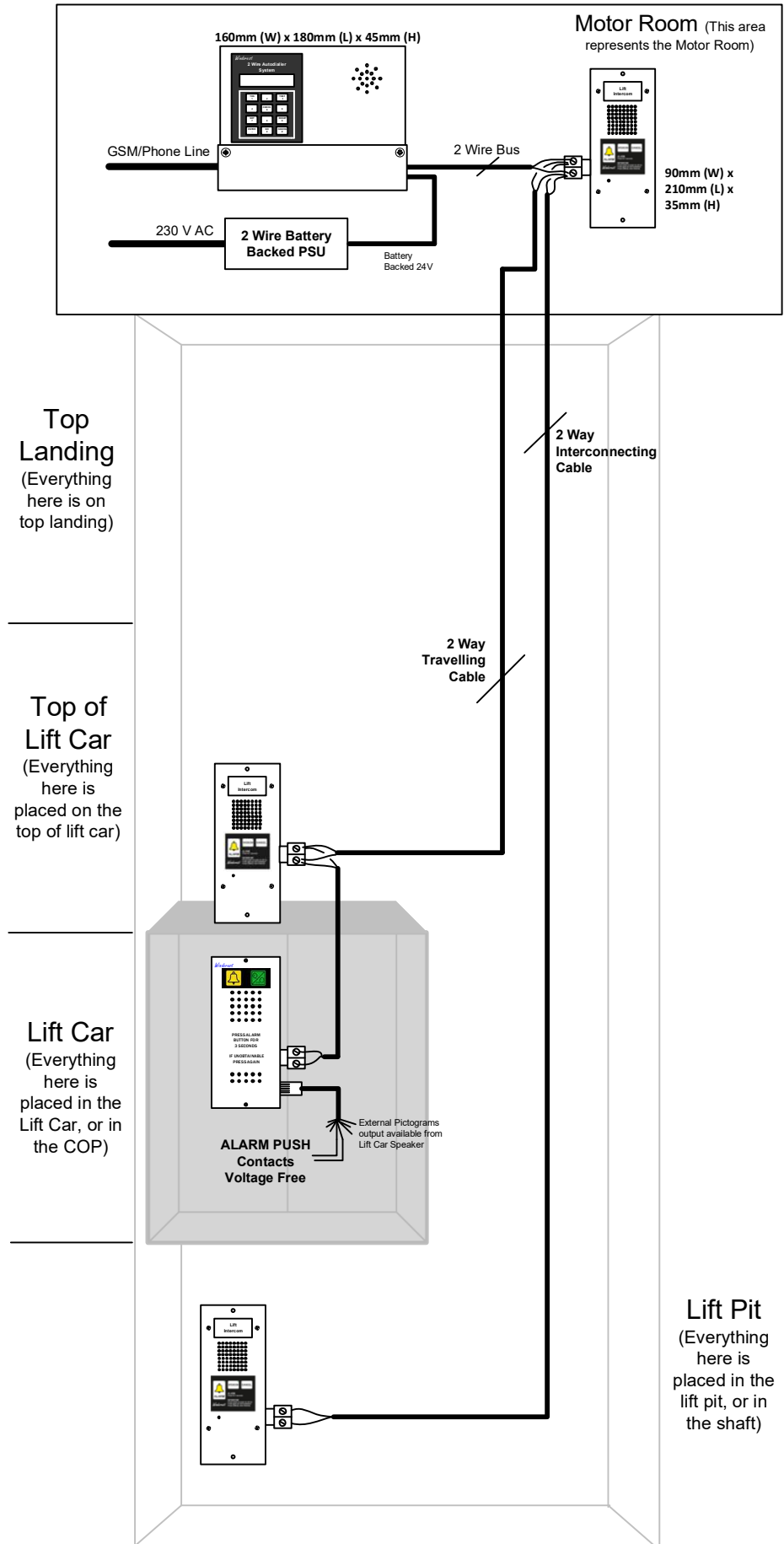
*Winderest*  
**2 Wire Autodialler  
System**

**EN 81-28 Compliant**

Cable description	 Single core wire	 Multicore cable	 OR  Cable used in special cases only
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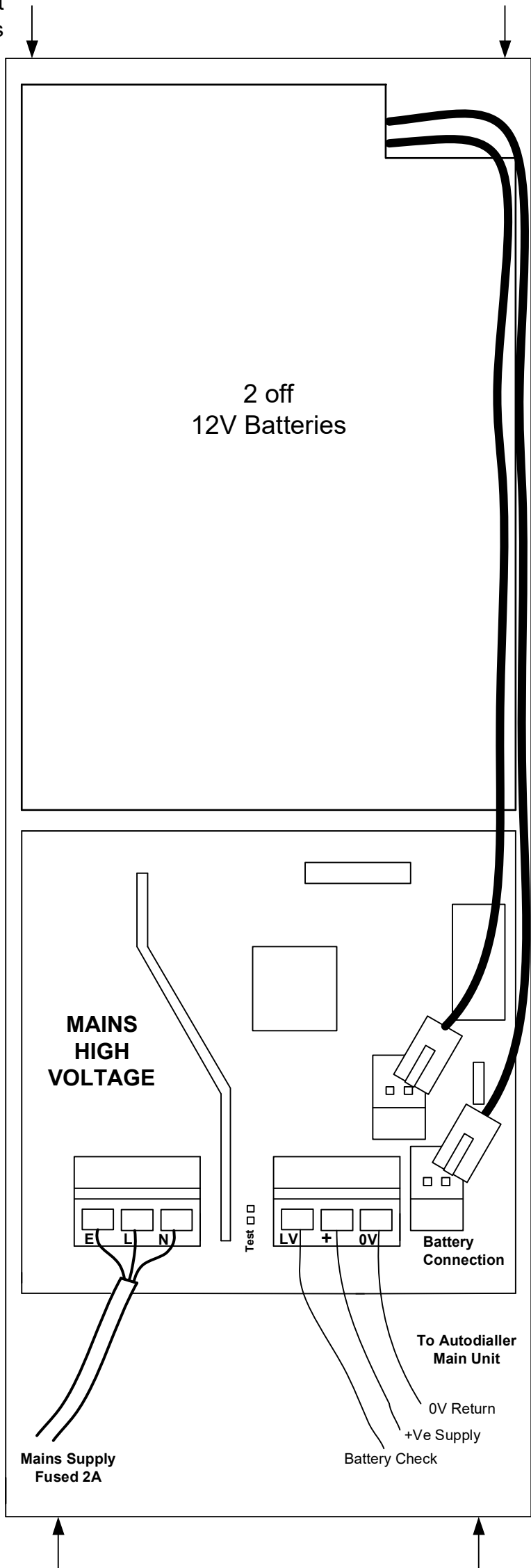
**NOTE:**

1) All cable wires used for bus connection should be screened & twisted and of min. 0.75mm<sup>2</sup> of conductor and if the cable length is more than 100M use 1.5mm<sup>2</sup> of conductor wires. Max. 250M of cable.



**Note:- For 2WAD EN-3 System, the Motor Room Speaker will not be provided.**

Remove Push Fit Rivets



**WARNING:-  
ISOLATE MAINS  
PRIOR TO  
OPENING THE  
PSU BOX.**

**Connect the wires to the 2 Wire Main Unit as follows and then connect the Battery.**

<b>PSU</b>	<b>2 Wire Main Unit</b>
"+"	"Supply +"
"0V"	"Supply -"
"LV"	"BB "

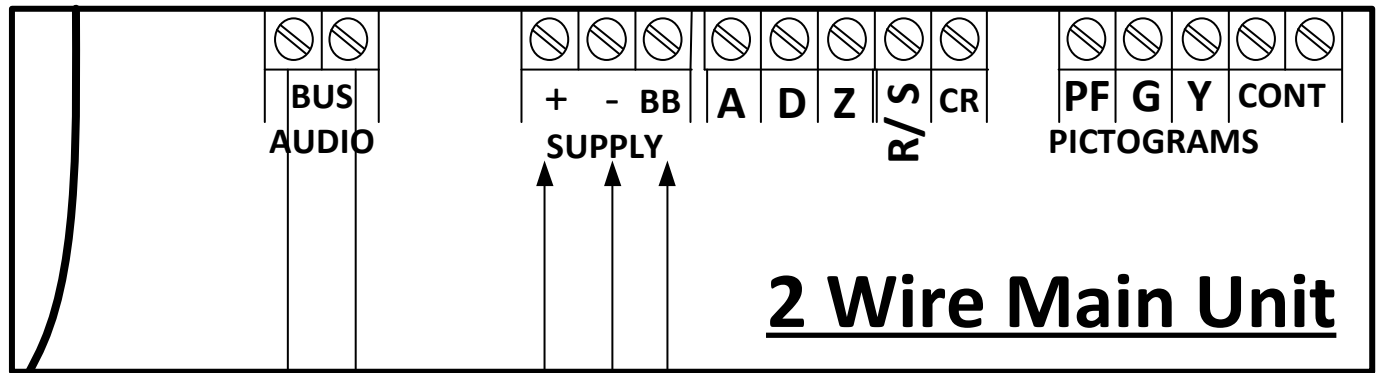
Remove Push Fit Rivets

Connections

Connect Mains via the 3 way connectors. Use Cable Ties to secure the wires together and ensure no wire "whiskers".

NB: The Power supply unit has been designed to supply power only for the Autodialler and no extra power is available for additional equipment. Over loading may damage the power supply.

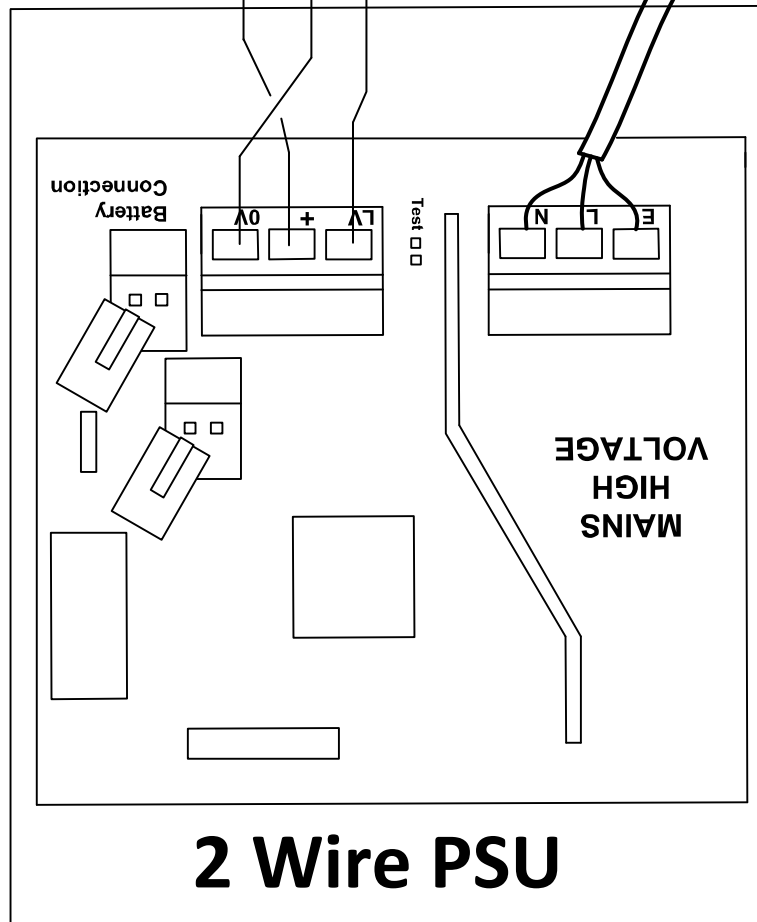
All wiring must be carried out the competent engineer and ensuring that the PSU box is connected to the safety Earth in compliance with the normal electrical installation regulations.



2 wire  
Audio Bus

Mains Supply  
Fused 2A

Telephone  
Line



## Connections

Drawing No: 2W\_CON Issue No:1 Date:10/09/18

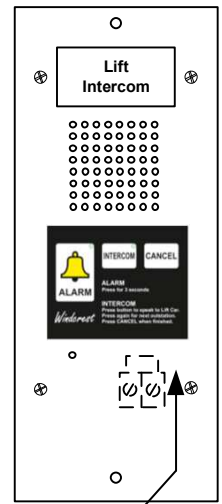
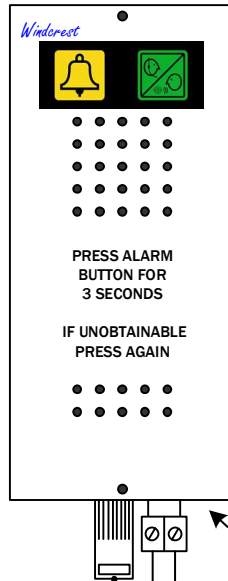
Page 3

*Winderest* (UK) Ltd

Tel: 0208 795 0333  
Fax: 0208 795 0444

**NB:-** The Lift Car Speaker Box detects the Alarm Push contacts, i.e. Normally Open/ Closed when powered Up, therefore the sequence must be as follows:-

- 1) Disconnect RJ45 & 2 Wire bus from the Lift Car Speaker.
- 2) Connect Alarm Push to the RJ45 Cable wires.
- 3) Connect RJ45 Cable to the Lift Car Speaker.
- 4) Connect 2 Wire Bus.



**If Green LED does not illuminate swap the BUS wires around.**

2 Wire Bus Network

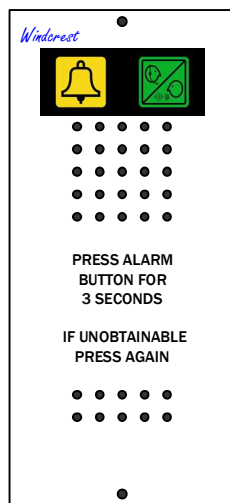
**NB:-** All unused wires must not be shorted with each other. Shorting may result in permanent damage of the speaker box.



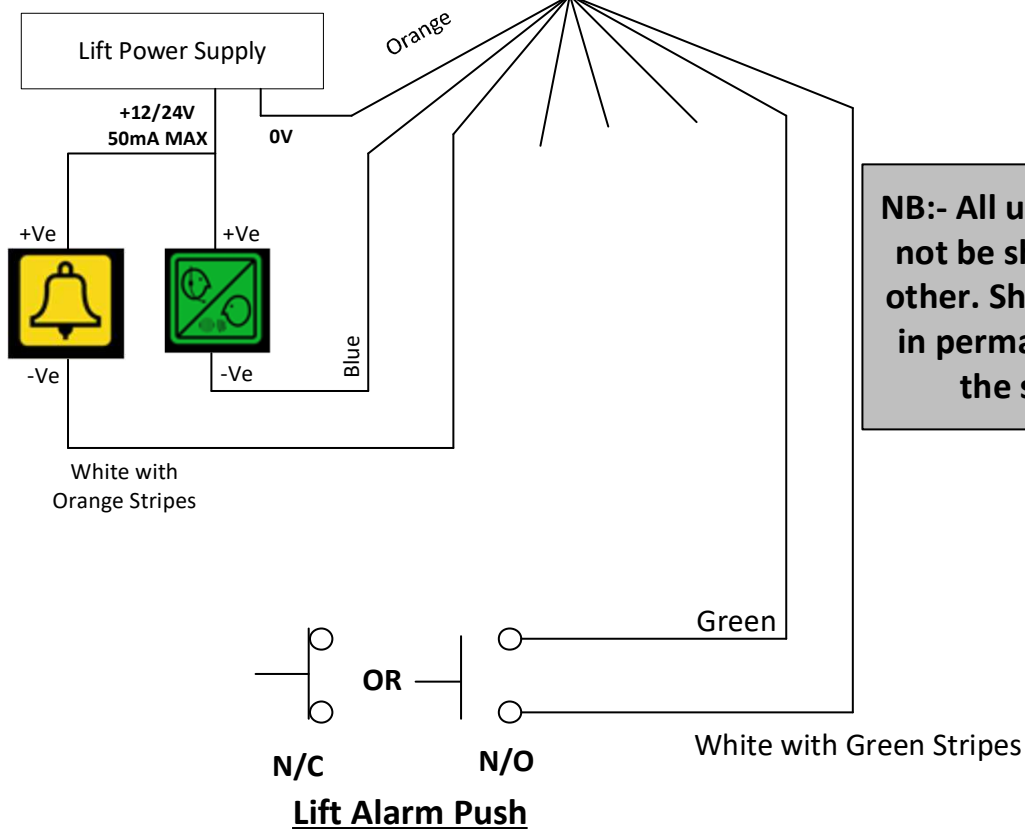
**Note:-** The RJ45 Cable is supplied with the unit. However, if any other RJ45 cable to be used for the unit, the plug must be made as per the above drawing. Incorrectly made plug will result in damaging of the unit and will violate warranty terms.

**NB:-** The Lift Car Speaker Box detects the Alarm Push contacts, i.e. Normally Open/ Closed when powered Up, therefore the sequence must be as follows:-

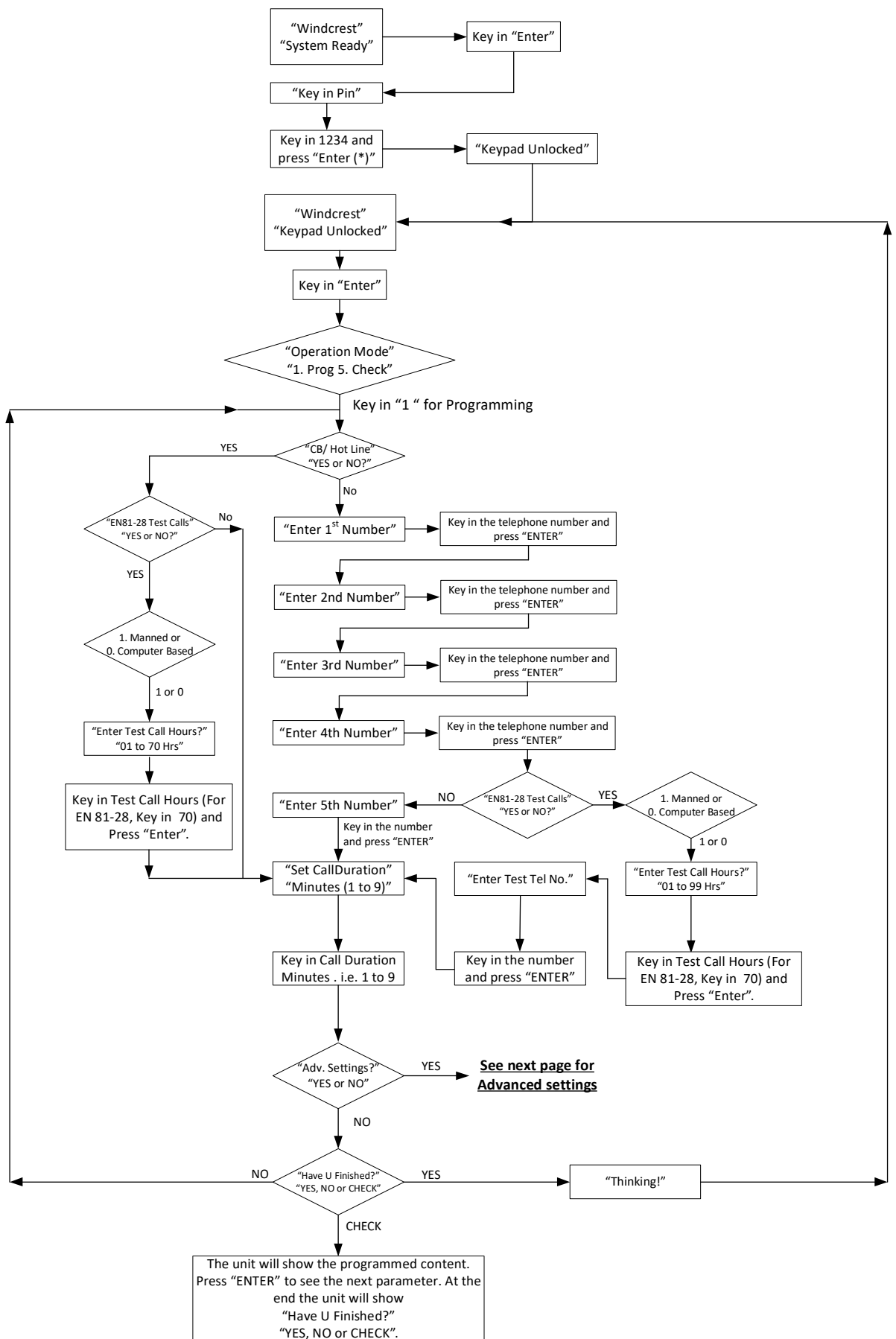
- 1) Disconnect RJ45 & 2 Wire bus from the Lift Car Speaker.
- 2) Connect Alarm Push to the RJ45 Cable wires.
- 3) Connect RJ45 Cable to the Lift Car Speaker.
- 4) Connect 2 Wire Bus.

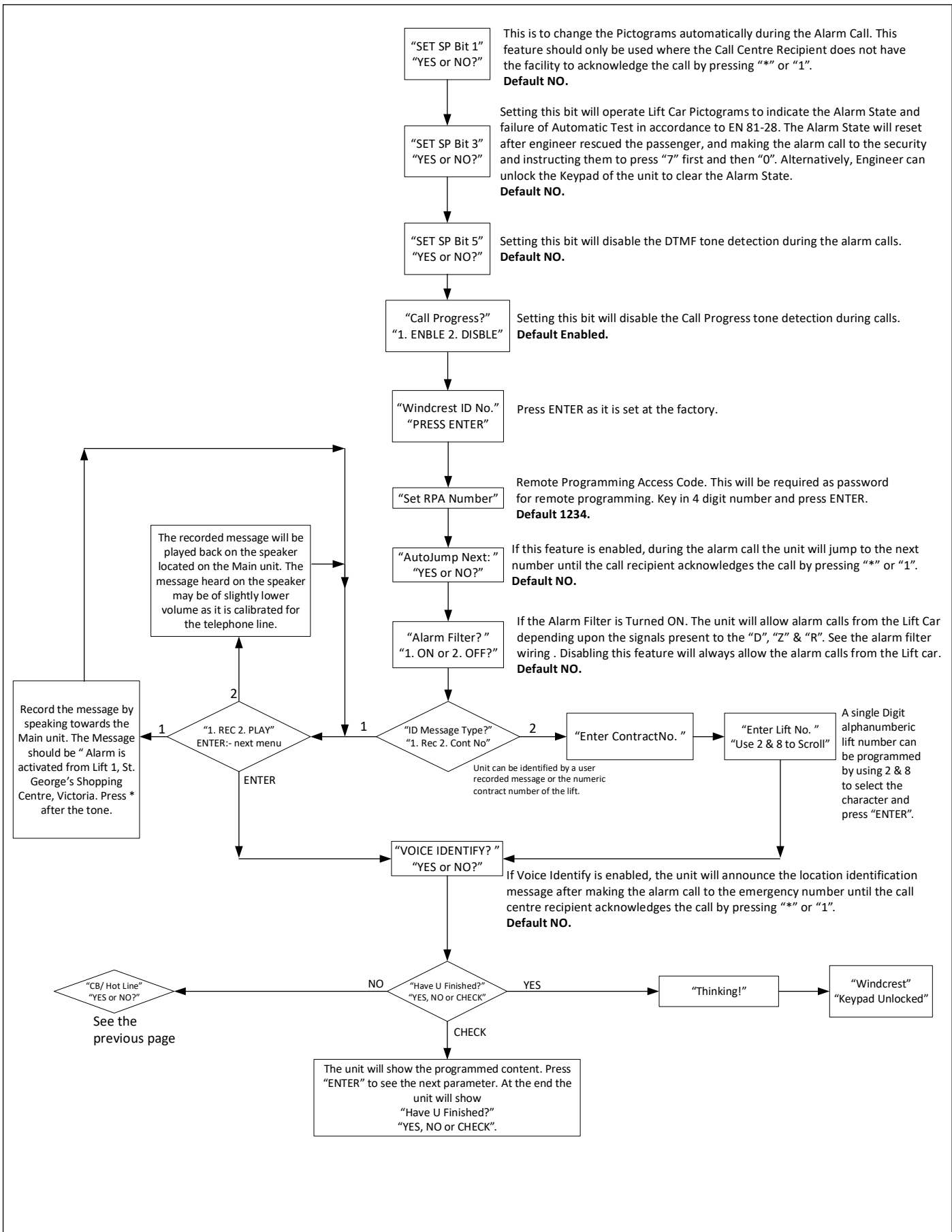


2 Wire Bus Network



**NB:-** All unused wires must not be shorted with each other. Shorting may result in permanent damage of the speaker box.







## Remote Programming

The system can be remotely programmed by calling the telephone number where the unit is connected. Follow the steps below:-

- 1) Call the telephone number of the unit.
- 2) Once the unit answers the call, wait for 5 seconds after the unit completes all the automated announcements.
- 3) Key in \*RPA NO# on the telephone handset. For example the default RPA no. is 1234. therefore key in \*1234#. If the RPA is accepted, the unit will respond with two beeps. If the RPA identified by the unit is incorrect, the unit will give several beeps for warning.

Once the RPA is accepted by the unit, key in the strings on the telephone handset to program the corresponding parameter. At the end of each string, the unit will announce the complete string to confirm the programmed parameter in the format "Beep"- "Parameter Digits"- "Beep" - "Value"- "Beep".

### Programming strings:-

1st Telephone Number	*11#Number##
2nd Telephone Number	*12#Number##
3rd Telephone Number	*13#Number##
4th Telephone Number	*14#Number##
5th Telephone Number	*15#Number##
Contract Number	*16#Number##

Windcrest ID Code	*17#	Unit will announce the programmed ID Code
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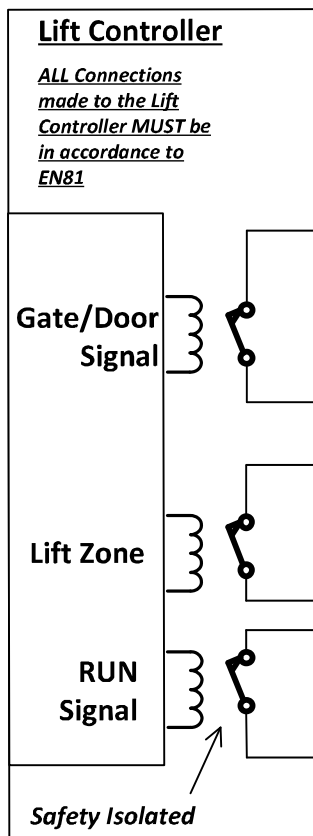
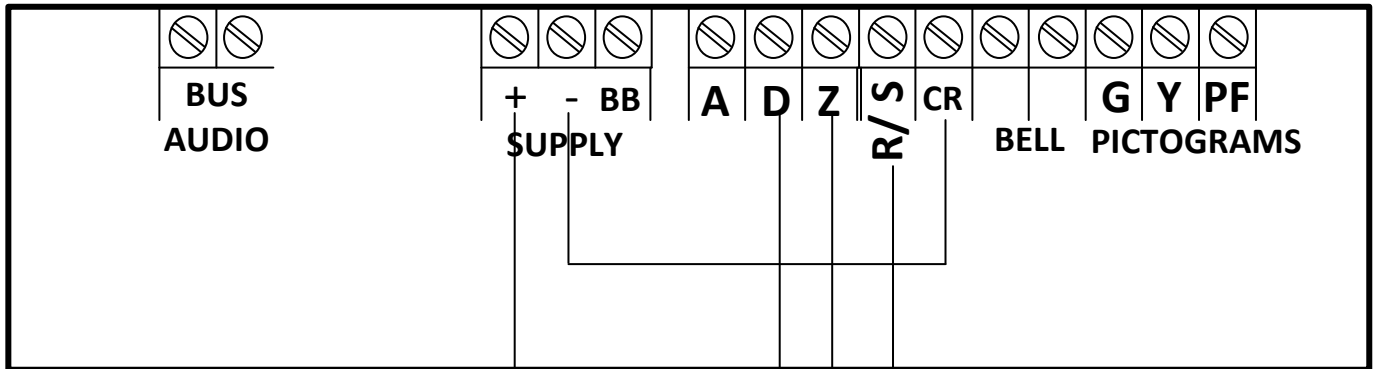
Test Calls	*20#N##	N = 0 to Turn OFF N = 1 to Turn ON.
Auto Jump	*21#N##	N = 0 to Turn OFF N = 1 to Turn ON
SP BIT 1	*22#N##	N = 0 to Turn OFF N = 1 to Turn ON
HOT LINE (Automatic dialling by telephone line)	*23#N##	N = 0 to Turn OFF N = 1 to Turn ON
Voice ID	*24#N##	N = 0 to Turn OFF N = 1 to Turn ON.
Identification Message	*26#N##	N = 0 for Contract Number N = 1 for User Recorded Msg.
SP BIT 3	*27#N##	N = 0 to Turn OFF N = 1 to Turn ON
Test Call Type	*28#N##	N = 0 for Computer Based Test calls N = 1 for Manned Test Calls
Call Progress	*29#N##	N = 0 for Call Progress Tone Disabled N = 1 for Call Progress Tone Enabled
Call Duration	*30#N##	N = 1 to 9
Test Call Frequency (Hrs)	*40#NN##	NN = 01 to 99 Hours
Lift Number	*41#NN##	NN = 00 , 01 , 02 , 03 ,04 ,05 , 06, 07, 08, 09, For Alphabets A=10, B = 11, ....Z=35
Alarm Filter	*46#N##	N = 0 to Disable N = 1 to Enable

To end the Programming \*00#. Unit will give two beeps.

Following can be applied to check the programmed parameter.

\*PARAMETER\*. For Example. To find out the 1<sup>st</sup> programmed number Key in \*11\* and the unit will announce the 1<sup>st</sup> telephone number in the format BEEP-ONE ONE-BEEP-1<sup>st</sup> Programmed Number-BEEP.

# 2 Wire Main Unit



Closed = Lift Door is closed

Closed = Lift is in Zone

Closed = Lift is running

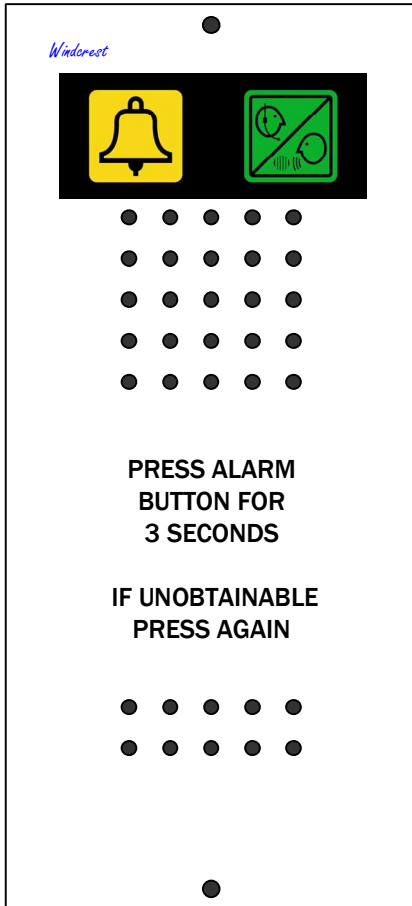
## Operation (EN81-28)

If the Alarm Filter is activated No Alarm allowed from the Lift Car when:-

*Doors Closed AND Lift is in zone AND Lift is running*

*For the purposes of the testing, if the Alarm Button in the Lift Car is Pressed and held down for the "Configurable Bypass Filter" Period, the unit will make the alarm call.*

*The Configurable Bypass Filter period can be programmed when the Lift Car Speaker is powered Up. Default Configurable Filter Bypass period is 15 Seconds. i.e. if the Alarm Button in the Lift Car is pressed and held down for 15 seconds or more, the alarm call will be made irrespective of the Alarm Filter state.*



To Program Instant/3 Seconds Trigger Delay & Filter Bypass Delay, disconnect the Lift Car Speaker from the bus. Set DIP Switch 5 to ON position, and connect the Lift Car Speaker to the Bus. If DIP Switch 5 is in OFF Position, the Lift Car Speaker will skip the sequence below and give beep after 5 seconds of powering it up and scanning Alarm Push Contacts.

sequence of events will be as follows:-

1.



**Flashing**

Program Trigger delay whilst yellow pictogram is flashing.

Alarm Push Pressed

Once

= Instant Trigger

More than Once = 3 seconds Trigger Delay

Each Alarm Press will be shown by illuminating the Green Pictogram. If no Alarm Button is pressed, the existing programmed delay will not change.

2.



**Solid ON**

This state will show the Programmed Trigger Delay. If the unit is programmed for Instant Trigger, the Green Pictogram will flash once and if the unit is programmed for 3 seconds trigger delay, the Green Pictogram will flash 3 times.

3.



**Flashing**

Program the Configurable Filter Bypass Period whilst Green pictogram is flashing.

Every time the Alarm Button is pressed, the period will add 5 seconds. i.e. pressing the Alarm button once will program the period as 5 seconds. If the button is pressed 3 times, the period will be set as 15 seconds. The max. period can be programmed is 30 seconds. Each Alarm Press will be shown by illuminating the Yellow Pictogram. If No alarm button is pressed, the programmed period will not change.

4.



**Solid ON**

This state will show the Programmed Configurable Bypass . The Yellow Pictogram will flash to show the programmed period. Each flash will represent 5 seconds. i.e. if the Yellow Pictogram flashes 3 times. The Bypass period is 15 seconds.

5.



The Lift Car Speaker will give initialisation complete beep to indicate the system is ready.

## Answering an incoming call

### From a Trapped Passenger

#### **Trapped Passenger**

Answer the phone as usual.

The phone will be connected to the lift, at which point you will hear a speech prompt which will identify the lift's location, provided the system has been set appropriately.

Press the star (\*) button on the telephone to acknowledge the call, (for EN81-28 the Green pictogram will activate in the lift car) and conduct the conversation with the trapped passenger.

Once the conversation has finished, terminate the call with a zero (0) and thereafter placing the handset down.

#### **Non Computer based Auto-Test**

If during the programming the Manned central station Auto-Test Calls are activated, Autodialler will make call as per the programmed test-call hours frequency and after answering the call, it will announce "EN 81 Test Call Press 0 Now". After the message, press 0 and the unit will announce the identification message of the unit and terminate the call. If 0 will not be pressed, unit will repeat the message every 5 seconds for max. of 8 times.

#### **Vandal/nuisance calls**

If a Vandal has made a call from a lift location, it is possible to disable the ALARM button for 30 minutes by pressing a nine (9) during the call.

### From an Engineer after releasing passenger(s)

Answer the phone as usual.

The phone will be connected to the lift, at which point you will hear a speech prompt which will identify the lift's location, provided the system has been set appropriately.

Press the star (\*) button on the telephone to acknowledge the call, and conduct the conversation with the Lift Engineer.

Once the conversation has finished, Cancel the Alarm State by pressing a "7" (i.e. Flashing of the Pictogram) and then terminate the call with a zero (0) and thereafter placing the handset down.

### Calling a Lift

NB: It may not be possible to call a lift if connected to an extension of a PABX

Call the Lift's phone number as usual.

When the call is answered, a tone and a speech prompt "Answering an incoming call" will confirm connection to the lift car.

Pressing "7" on the handset during the conversation, Autodialler will announce the location message stored by the engineer at the time of the installation.

Once the conversation has finished, terminate the call with a zero (0) and thereafter placing the handset down.

### Intercom

The intercom facility is provided in the system to speak to and from Lift Pit, Lift Top, Lift Motor Room and Lift Car. To Open the Intercom facility press the "Intercom" button on Lift Top/Pit/Motor Room speaker. The system will open the intercom channel to the Lift Car upon opening the intercom. Pressing the Intercom button again will open the channel to the Lift Top then Lift Pit and Lift Motor Room. Pressing the Cancel Button on the Keypad will close the intercom. If cancel button is not pressed after 2 minutes, the intercom channel will time out after 2 minutes.

