





Cabling Audio Systems

- Cabling should be Star Configuration (Topology). ie. Each Handset cable should go back to a junction box or central cabinet and NOT looped from one Handset to the next. This is purely for maintenance reasons.
- It is recommended that 1mm diameter conductors are used from the power supply to the (+) POSITIVE and (-) NEGATIVE of the speaker unit.
- 3) It is recommended that 1mm (preferably 1.5mm) diameter conductors are used for the lock circuit.
- 4) Standard BT telephone cable is recommended (0.4mm per conductor) for reasons of higher quality audio reproduction and because the pairs are twisted thereby providing a powerful defence against interference.
- 5) Standard alarm cable can also be used although there is a greater risk of interference. Special care must be taken to ensure clean and neat terminations.
- 6) All low voltage cabling must be run totally separated from high/mains voltage cables.

Please note that far better results are achieved using thicker conductors than combinations of thinner conductors.

Power

Power the MIHP/6 Speaker using a 12V DC power source.

Amperage draw is dependent upon consumption characteristics of the locking used, the lengths of cable runs, the number of handsets required to switch on simultaneously etc. As a general guide, allow 1 Amp per door. If unsure, please contact Noralsy.

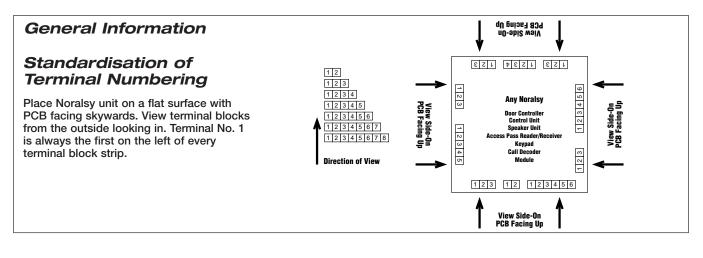
Standby for Audio Systems

Simply add 12V battery to 12V DC power supply.

General Wire Diameter Guidlines - per conductor

Distance Metres	Call/Speech/Release CA, 2, 1, 9, 6 mm
50	0.4
100	0.8
200	1.0
300	1.6

For greater distances, please contact Noralsy for advice.

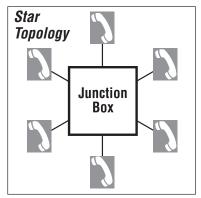




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Audio Entry

INSTALLATION INSTRUCTIONS

MIHP/6 SPEAKER

Single Entrance

Multiple Entrances with Automatic Switching









Audio Entry Functional Systems



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DELETING USER CODES

As all User Codes are stored in Slots, it is easy to delete a code from the keypad:

or

Enter the Master Code and wait for the beeps. After a beep enter on the keypad:

Slot No. ____ Delete Command

Slot No. ____ A or *

To delete the User Code stored in Slot 17

To delete the User Code stored in Slot 01

A rapid series of beeps indicates that you have deleted successfully. Now press B or # to escape from programming.

OVERWRITING / CHANGING USER CODES

You do not have to delete a User Code in order to change it. By programming a new User Code into a Slot that is currently in use, you automatically erase the old User Code.

Enter the Master Code and wait for the beeps. After a beep enter on the keypad:

Slot No. _____ 6 700028 Length of Code

The new User Code in Slot 01 is 700028. Whatever was in Slot 01 before has been erased.

Note: You change the Master Code in exactly the same way.



.....to program Master Code 7767110 into Slot 30

Now press B or # to escape from programming.

LATCHING RELAY

The code stored in Slot 28 acts as the "ON" for Latching Relay no. 3. The code stored in Slot 29 acts as the "OFF" for Latching Relay no. 3.

If you do not store a different code in Slot 29 to that stored in Slot 28, entering the code stored in Slot 28 will act first as "ON" and then as "OFF", then "ON" etc.

EMERGENCY CODE

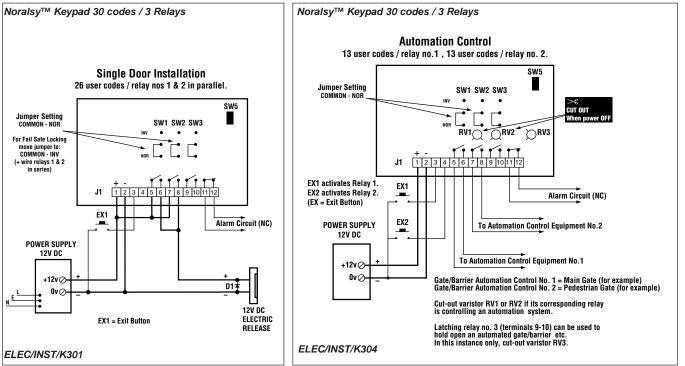
The code stored in Slot 27 operates both Relay no. 1 and Relay no. 2 at the same time.

ANTI-TAMPER

An anti-tamper circuit (terminals 11 + 12 of J1) provides a normally closed contact, once the keypad is secured to the wall.

AUTOMATIC TIME-OUT - whenever programming accessed via Master Code

If you do not press B or # to escape from programming, the keypad will automatically revert to normal mode after 20 seconds.



Noralsy™ Keypad 30 Codes / 3 Relays

TOP POINTS TO REMEMBER

- Master (Engineer) Code is always stored in Slot 30.
- User Codes are stored in Slots 01, 02, 03, 04......26.
- Relay no. 1 is controlled by the User Codes stored in Slots 01 13.
- Relay no. 2 is controlled by the User Codes stored in Slots 14 26.
- The code stored in Slot Number 27 activates Relay no. 1 & Relay no. 2 simultaneously.
- The code stored in Slot Number 28 turns Latching Relay no. 3 "ON".
- The code stored in Slot Number 29 turns Latching Relay no. 3 "OFF".

TIP - WHEN YOU ARE IN PROGRAMMING

Enter the numbers in quick succession after a beep. Do not wait more than 2-3 seconds in between entering numbers. If you have correctly programmed, you will hear a rapid series of beeps.

SET-UP ON INSTALLATION

Wire up according to appropriate electrical schematic for your installation, then power up the keypad. Flick Programming Switch SW5 and wait for the keypad to start beeping every 3 seconds.

STEP 1

Decide Now.....for how many seconds do you want the door to open:

After a beep enter

Set Timer 00 05 05 | Command Relay No. 2

Seconds

Example

NOTE: Relays can be programmed between 01 – 99 seconds.

The 2no. digits shown as underlined set the door open time in seconds for relay no.1. The last 2no. digits set the door open time for relay no.2. A rapid series of beeps indicates that you have programmed successfully.

You must set the relay/lock command time for relay no. 2 even if you are not using relay no. 2. If you have linked relays 1 & 2 together, you must set the same open times for both.

STEP 2

Now set the Master Code of your choice.

This is the code that allows you to access programming mode without having to open up the keypad and flicking switch SW5.

The Master Code is always stored in Slot 30.

The Master Code can be any length of digits/characters/symbols minimum 3, maximum 8.

After a beep enter on the keypad:

30 4 2901 ______Master Code Slot No. Length of Code

if you want your Master Code to be 2901

This is an example only. SET THE MASTER CODE OF YOUR CHOICE

A rapid series of beeps indicates that you have programmed successfully.

STEP 3

Turn off programming switch SW5.

PROGRAMMING/ADDING USER CODES STEP 4

User codes can be any length of digits/characters/symbols - minimum 3, maximum 8.

User codes are stored in Slots 01-26. Example: 01, 02, 03... 26.

Enter the Master Code you set in STEP 2 and wait for the beeps.

After a beep enter on the keypad:

01 3 494 User Codeto program User Code 494 into Slot 01 Slot No. -Length of Code

A rapid series of beeps indicates that you have programmed successfully.

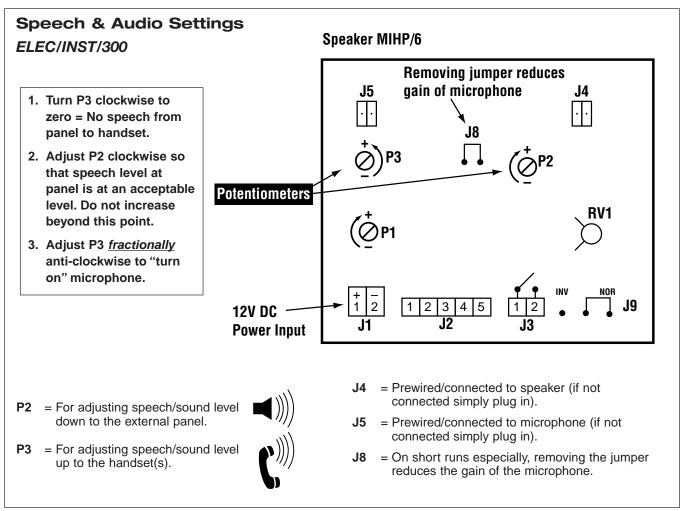
02 4 5519 User Code Slot No.

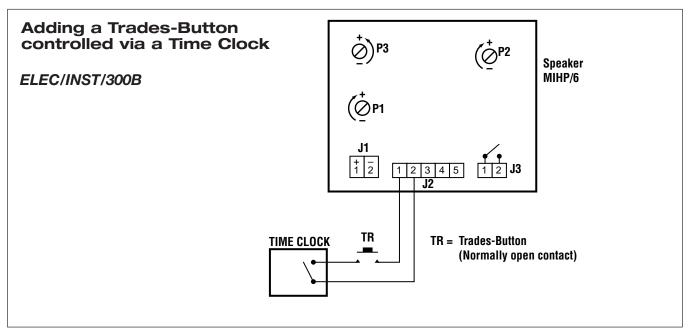
.....to program User Code 5519 into Slot 02

A rapid series of beeps indicates that you have programmed successfully.

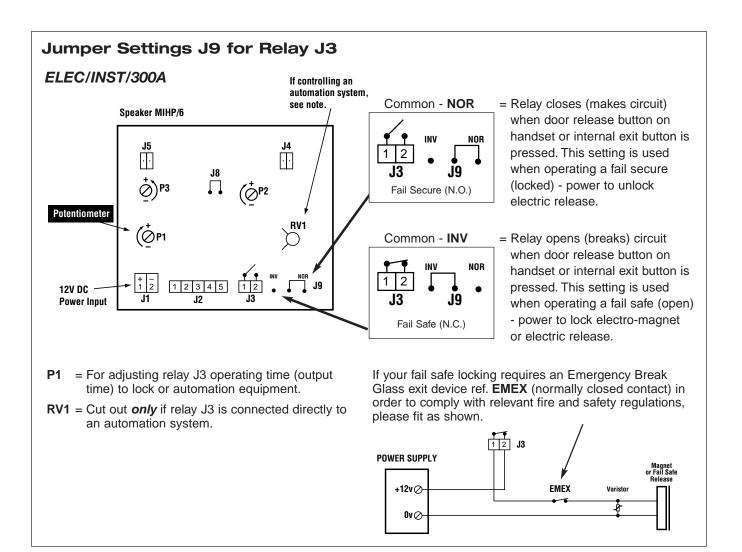
Now press B or # to escape from programming.

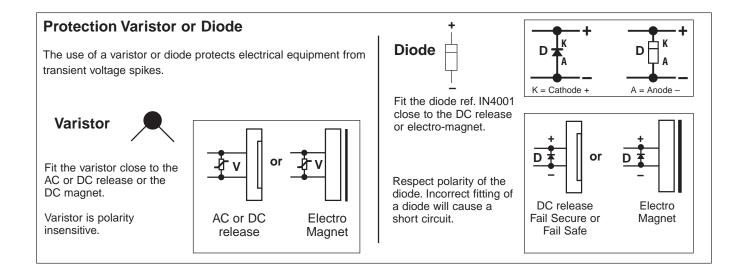












Noralsy™ Keypad 30 Codes / 1 Relay



TOP POINTS TO REMEMBER

- 1. Up to 29 user entry codes available at any one time.
- 2. Codes are stored in slots numbered 01, 02,05 and 07, 08......30.
- 3. Master Code = Programming code and must be stored in Slot 06.
- 4. Each code can be any mix of digits/letters from 3 to 8 in length.

TIP - WHEN YOU ARE PROGRAMMING

Enter the numbers in quick succession after a beep. Do not wait more than 2-3 seconds in between entering numbers as this will confuse the keypad. If you have correctly programmed, you will hear a rapid series of beeps.

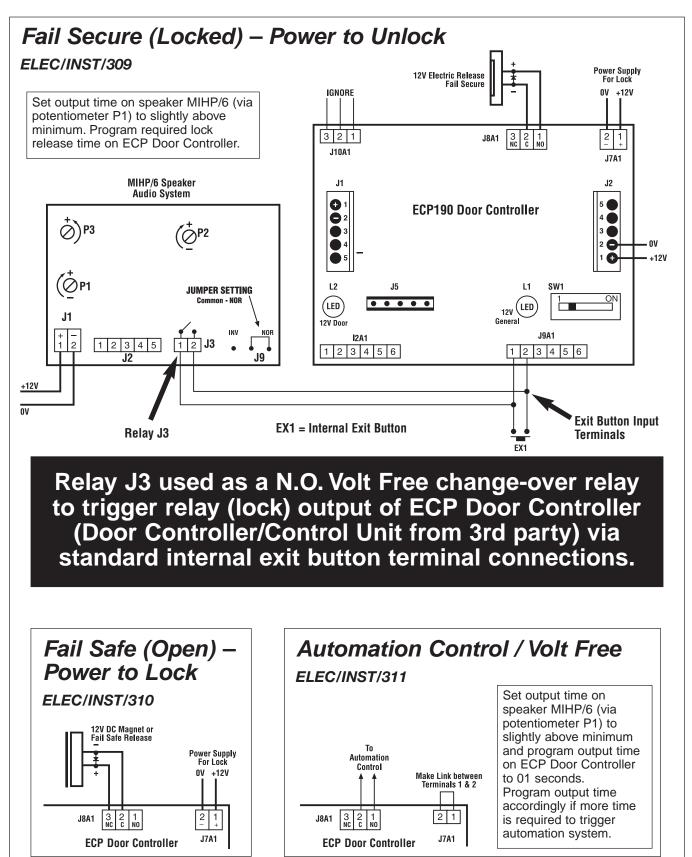
seriace are respect in you have conce	stry programmed, you will near a rapid ser	
	SET-UP ON INSTALLATIO)N
Flick the programming switch SW1 and	trical schematic for your installation, then d wait for unit to start beeping every 3 se	
SET THE MASTER CODE. IT MUST		
	ng MASTER CODE: 74AB6	
After a beep enter on the keypad:		
06 Master Code Slot Number	5 Length of Code	74AB6 Master Code Itself
If you have correctly entered the Maste	er Code you will hear 2no. series of rapid	
	SETTING USER DOOR ENTRY	CODES
Enter the Master Code onto the keypa	d and wait for the beeps.	
Example: you want the following codes		= 3 digits = 6 digits
After a beep enter on the keypad:		
01	3	A94
Slot Number	Length of Code	Code Itself
02 Slot Number	6 Length of Code	564B52 Code Itself
NOTE CAREFULLY: No codes into slo	ot no. 06 as this is for the Master Code ! e, you want to change the Master Code).	
	DELETING USER DOOR ENTRY	
-	lot numbers 01 - 05 and 07 - 30, it is easy	
	or no. 06 unless you are going to input a l	new Master Code whilst still in programming mode
Example - Your codes are: A94	for Mr Smith	stored in Slot 01
564B52	for Staff use	stored in Slot 01
To delete Mr Smith's code - A94 - from	n the system simply:	
Enter the Master Code onto the keypa		
After a beep enter on the keypad:	01	Α
	Slot Number	Delete Command
Press B to escape from programming.		
	actual code itself which needs to be delet a result of deleting codes. You can always	
	SETTING LOCK OPEN TIM	ME
Enter the Master Code onto the keypa	d and wait for the beeps.	
Lock open time can be set at 0.2 seco		
After a beep enter: 00 00	for 0.2 seconds (automation control)	
00 05	for 05 seconds	
00 10	for 10 seconds	
00 19	for 19 seconds etc	
Press B to escape from programming.		

If you do not press B to escape from programming, the keypad automatically reverts to normal mode after 20 seconds.

Audio System Interface with Stand-Alone Access Control





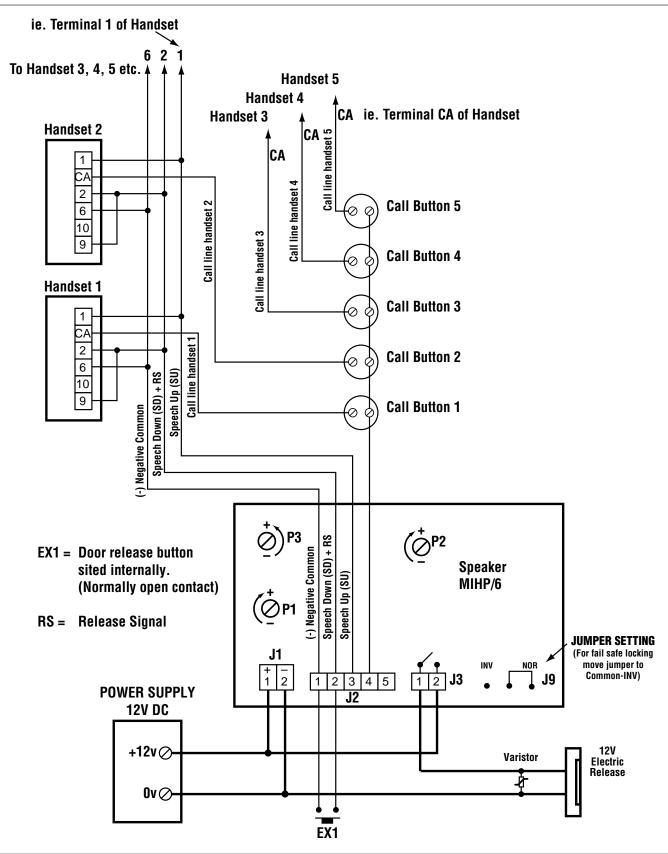


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Noralsy Speaker MIHP/6 with 1131 Audio Handsets



ELEC/INST/301

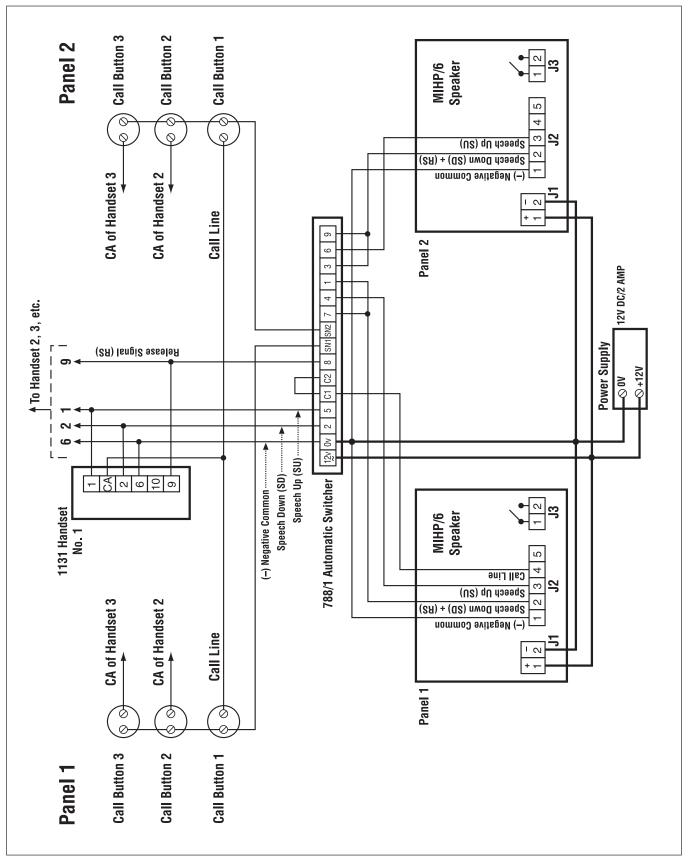


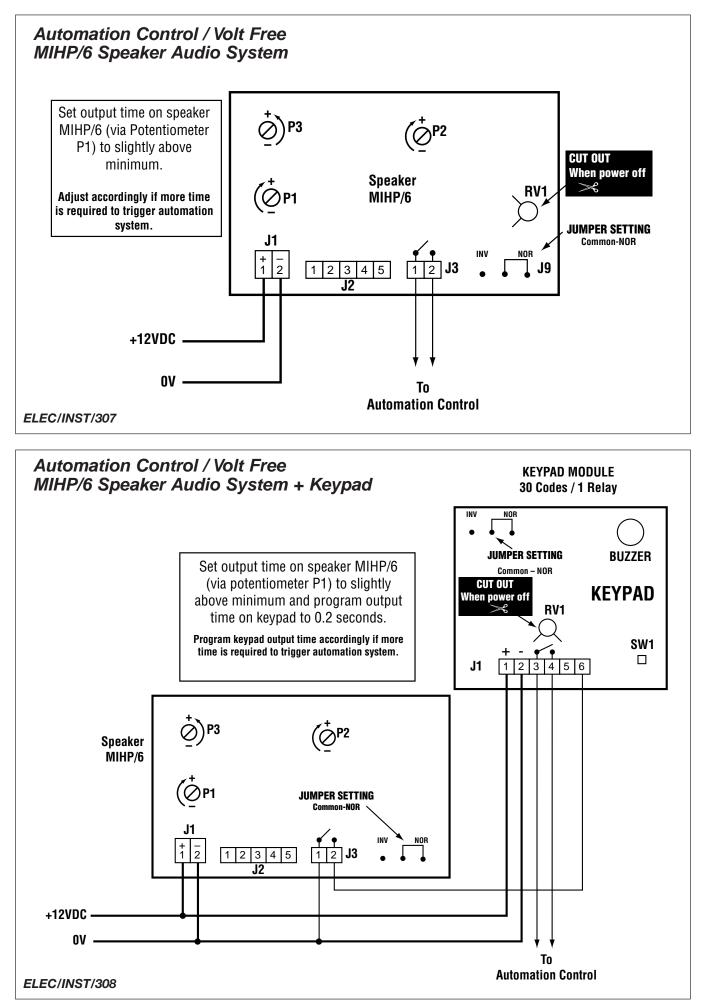
5

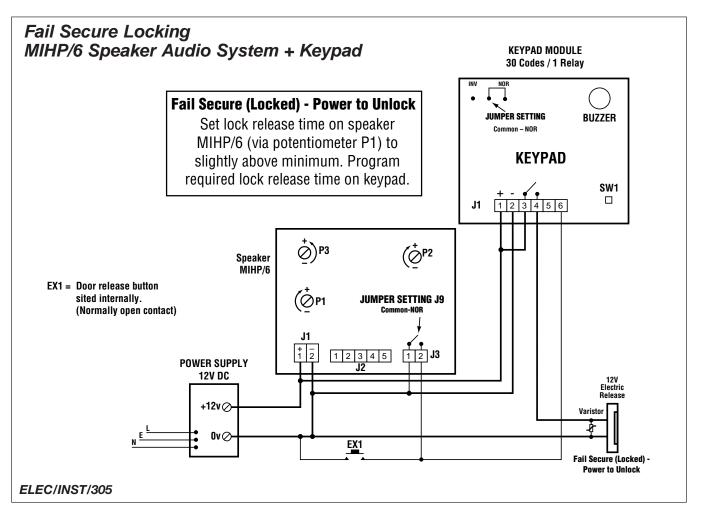
Audio Entry 2 Entrances Automatic Switching

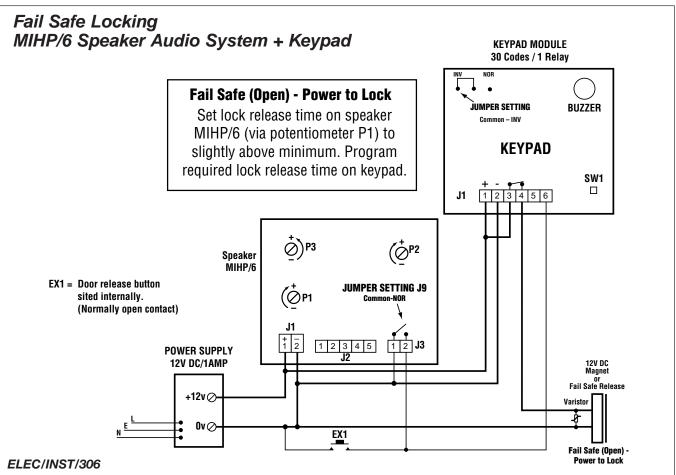


ELEC/INST/303





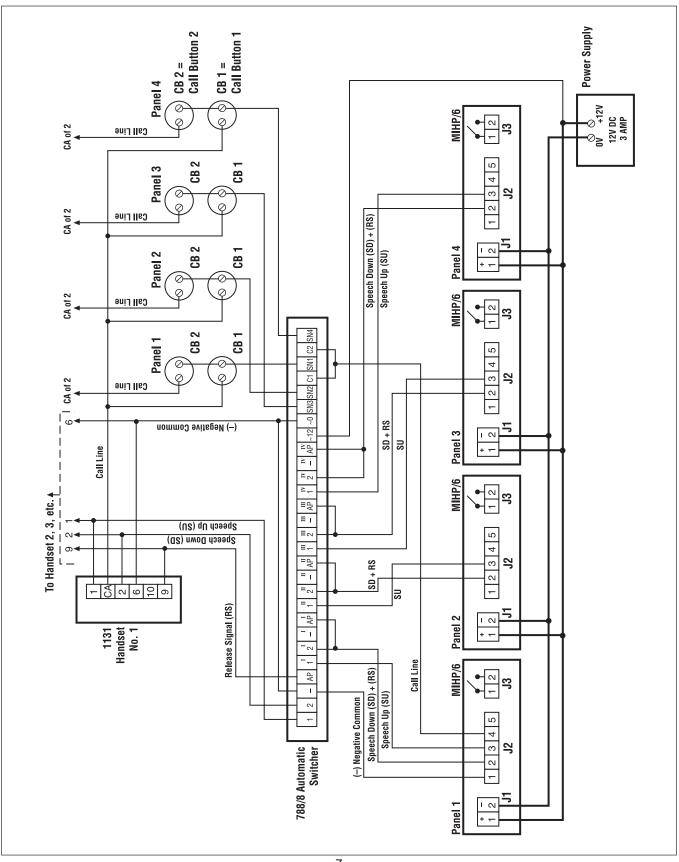




Audio Entry 3 or 4 Entrances Automatic Switching



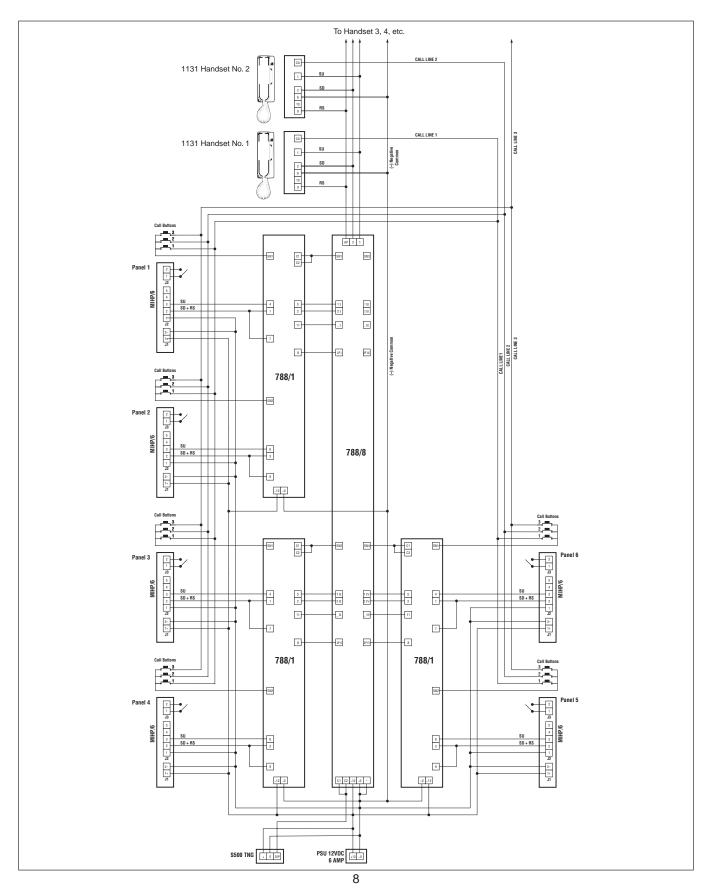
ELEC/INST/304



Audio Entry 5 or 6 Entrances Automatic Switching



ELEC/INST/304X



Audio Entry 7 or 8 Entrances Automatic Switching



ELEC/INST/304Y

