ALPHA AUDIO
ACCESS CONTROL SYSTEMS

UKDESIGN CE

MAIN FEATURES

DOOR PANEL TYPES - Aluminium, S/Steel & Polished Brass
HIGH QUALITY AMPLIFIER - Individual volume & buzzer controls
LOW PROFILE SURFACE MOUNTING BOX - Only 30mm deep
REVOLUTIONARY PHONE - With tone generated buzzer
CALL TONE CONTROL - Allows volume adjustment of call tone
ADDITIONAL VOLT FREE BUTTON - Allows connection to gates
POWER SUPPLY - May be either a simple 12VAC or DC input

TECHNICAL SPECIFICATION

Amplifier Power ... ... 12V AC/DC 50mA
Amplifier Speaker ... ... 50mm dia. 8ohms 0.25w
Amplifier Microphone ... ... 10mm dia. electret microphone
Handset Speaker ... ... 50mm dia. 8ohms 0.25w
Handset Microphone ... ... 50mm dia. carbon microphone
Door Panel to Handset .. .. Typ. cable run 100M (8 wire)

SYSTEM DESIGN

ALPHA Audio Access Systems are a low cost but fully featured family of products that can be used in either simple single door applications, multiple apartment systems or multiple office situations. They can be combined with any of the DECA Digital, Mag Swipe Card or Proximity Tag access systems to provide control for single doors or more complex multiple door installations.

All of the items needed to install a working access control system are included in the kit, with the exception of the latch lock (see Notes).
Any of the DECA Access systems (Digital, Mag Swipe or Proximity) can be connected to the DECA Printer Interface to provide an audit trail of entry events.

OVERVIEW & INSTALLATION INSTRUCTIONS

The ALPHA Audio Entry System is a simple to install door entry system allowing audio communication and remote operation of the door release to provide entry for unauthorized personnel.

EQUIPMENT
The audio system is normally supplied in kit form containing a door panel for mounting outside the door, wall mounted telephone handsets as required, and a standard surface fitting lock release.

SYSTEM OPERATION
The visitor presses the button on the door panel to activate a call tone at the handset, two way communication enables identification. Access is allowed with the release button.

TELEPHONE HANDSET
To release the telephone cover remove the handset from its cradle, press in the clips on each side and slide down.

ADDITIONAL PUSH BUTTON
The telephone handset has a volt free, (N/O) push button, with a "star" symbol, terminals "L & L", allowing connection to other access control systems or automatic gates etc.

AMPLIFIER
The amplifier has two volume controls marked "PHONE"

and "DOOR". These controls should be adjusted with a small screwdriver or a pot trimmer to give the maximum volume without feed back (ie. High pitched whistle or echo in the ear piece) when the handset is in use, lifted or replaced.

POWER SUPPLY
The audio system is powered by the 12VAC PSU supplied in the kit.

LOCK RELEASE
The lock release is a 12V surface fitting failsecure unit supplied in the installation kit, for an inward opening wooden door fitted with a surface latch lock.

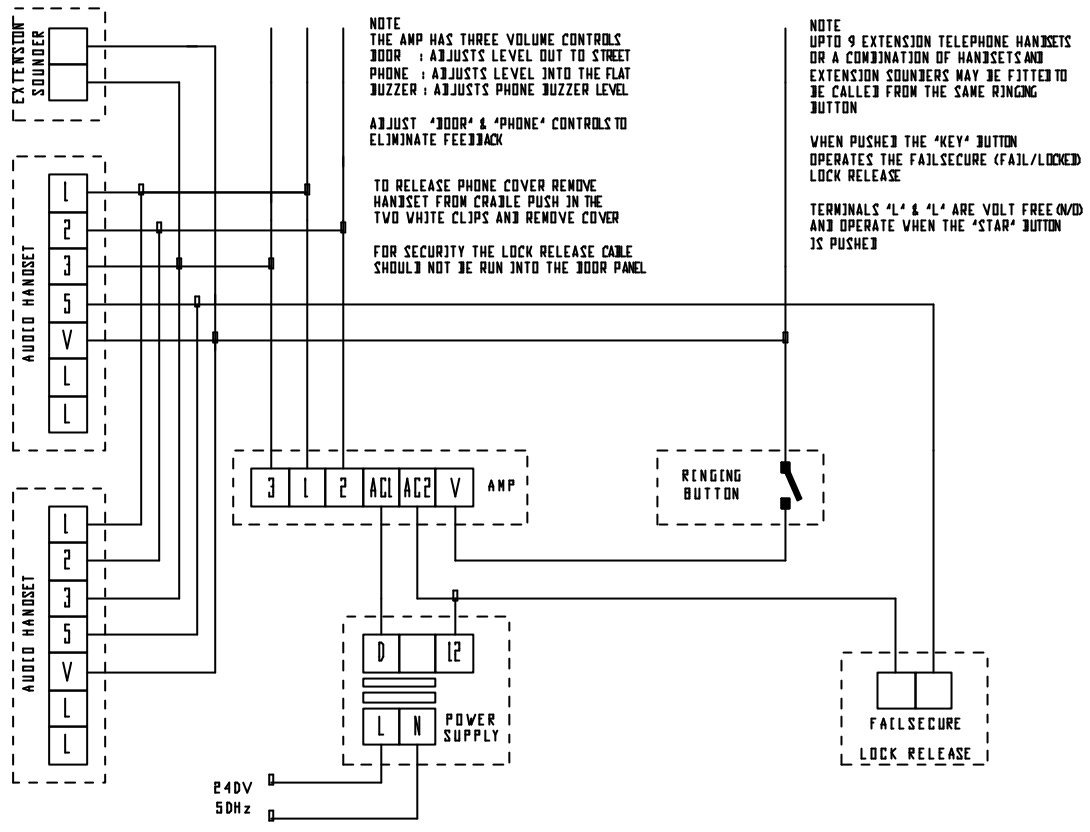## INSTALLATION INSTRUCTIONS

DOOR PANEL
Install on the unsecure side of the door adjacent to the door frame, if external fit a weather shield and seal between the weather shield and wall. Adjust the volume and buzzer controls to the required level.
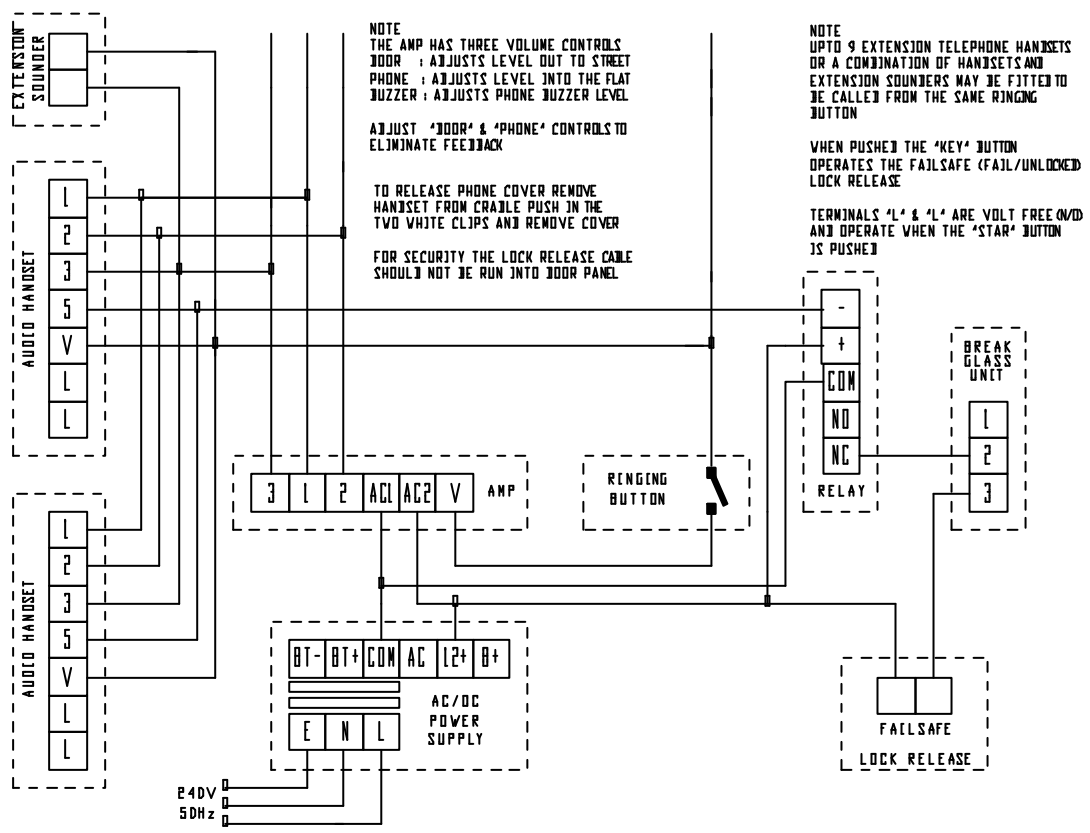
TELEPHONE HANDSET
Install on the secure side internally wall mounted.

POWER SUPPLY
Install on the secure side, fed via a 5amp 240VAC supply.

EXTENSION SOUNDER

AUDIO HANDSET
1
2
3
5
V
L
L

AUDIO HANDSET
1
2
3
5
V
L
L

NOTE
THE AMP HAS THREE VOLUME CONTROLS
DOOR : ADJUSTS LEVEL OUT TO STREET
PHONE : ADJUSTS LEVEL INTO THE FLAT
BUZZER : ADJUSTS PHONE BUZZER LEVEL

ADJUST 'DOOR' & 'PHONE' CONTROLS TO
ELIMINATE FEEDBACK

TO RELEASE PHONE COVER REMOVE
HANDSET FROM CRADLE PUSH IN THE
TWO WHITE CLIPS AND REMOVE COVER

FOR SECURITY THE LOCK RELEASE CABLE
SHOULD NOT BE RUN INTO THE DOOR PANEL

NOTE
UPTO 9 EXTENSION TELEPHONE HANDSETS
OR A COMBINATION OF HANDSETS AND
EXTENSION SOUNDERS MAY BE FITTED TO
BE CALLED FROM THE SAME RINGING
BUTTON

WHEN PUSHED THE 'KEY' BUTTON
OPERATES THE FAILSECURE (FAIL/LOCKED)
LOCK RELEASE

TERMINALS 'L' & 'L' ARE VOLT FREE (N/O)
AND OPERATE WHEN THE 'STAR' BUTTON
IS PUSHED

3 L 2 AC1 AC2 V   AMP

D   12
L   N   POWER SUPPLY

24DV
50Hz

RINGING BUTTON

FAILSECURE LOCK RELEASE

(1 1) 12VAC PSU, ONE BUTTON DOOR PANEL, FAILSECURE (F/LOCKED) 12V RELEASE, ADD HANDSET & EXTENSION SOUNDER

EXTENSION SOUNDER

AUDIO HANDSET
1
2
3
5
V
L
L

AUDIO HANDSET
1
2
3
5
V
L
L

NOTE
THE AMP HAS THREE VOLUME CONTROLS
DOOR : ADJUSTS LEVEL OUT TO STREET
PHONE : ADJUSTS LEVEL INTO THE FLAT
BUZZER : ADJUSTS PHONE BUZZER LEVEL

ADJUST 'DOOR' & 'PHONE' CONTROLS TO
ELIMINATE FEEDBACK

TO RELEASE PHONE COVER REMOVE
HANDSET FROM CRADLE PUSH IN THE
TWO WHITE CLIPS AND REMOVE COVER

FOR SECURITY THE LOCK RELEASE CABLE
SHOULD NOT BE RUN INTO DOOR PANEL

NOTE
UPTO 9 EXTENSION TELEPHONE HANDSETS
OR A COMBINATION OF HANDSETS AND
EXTENSION SOUNDERS MAY BE FITTED TO
BE CALLED FROM THE SAME RINGING
BUTTON

WHEN PUSHED THE 'KEY' BUTTON
OPERATES THE FAILSAFE (FAIL/UNLOCKED)
LOCK RELEASE

TERMINALS 'L' & 'L' ARE VOLT FREE (N/O)
AND OPERATE WHEN THE 'STAR' BUTTON
IS PUSHED

3 L 2 AC1 AC2 V   AMP

RINGING BUTTON

-
+
COM
NO
NC
RELAY

BREAK GLASS UNIT
1
2
3

BT- BT+ COM AC 12+ B+
E   N   L   AC/DC POWER SUPPLY

24DV
50Hz

FAILSAFE LOCK RELEASE

(1 2) 12VAC/DC PSU, 1 BUT PAN, F/SEC (F/LOCKED) 12V REL, RELAY, B/GLASS, PHONES & E/SOUNDER

EXTENSION SOUNDER

AUDIO HANDSET
1
2
3
5
V
L
L

AUDIO HANDSET
1
2
3
5
V
L
L

AUDIO HANDSET
1
2
3
5
V
L
L

EXTENSION SOUNDER

LAMP
OPTIONAL

3 1 2 AC1 AC2 V   AMPLIFIER

RINGING BUTTONS

TRADES BUTTON

D 12
L N   POWER SUPPLY

1 2   TRADES TIME SWITCH (24 HOUR)
5 3   E

FAIL SECURE LOCK RELEASE

N
240V 50Hz L
E
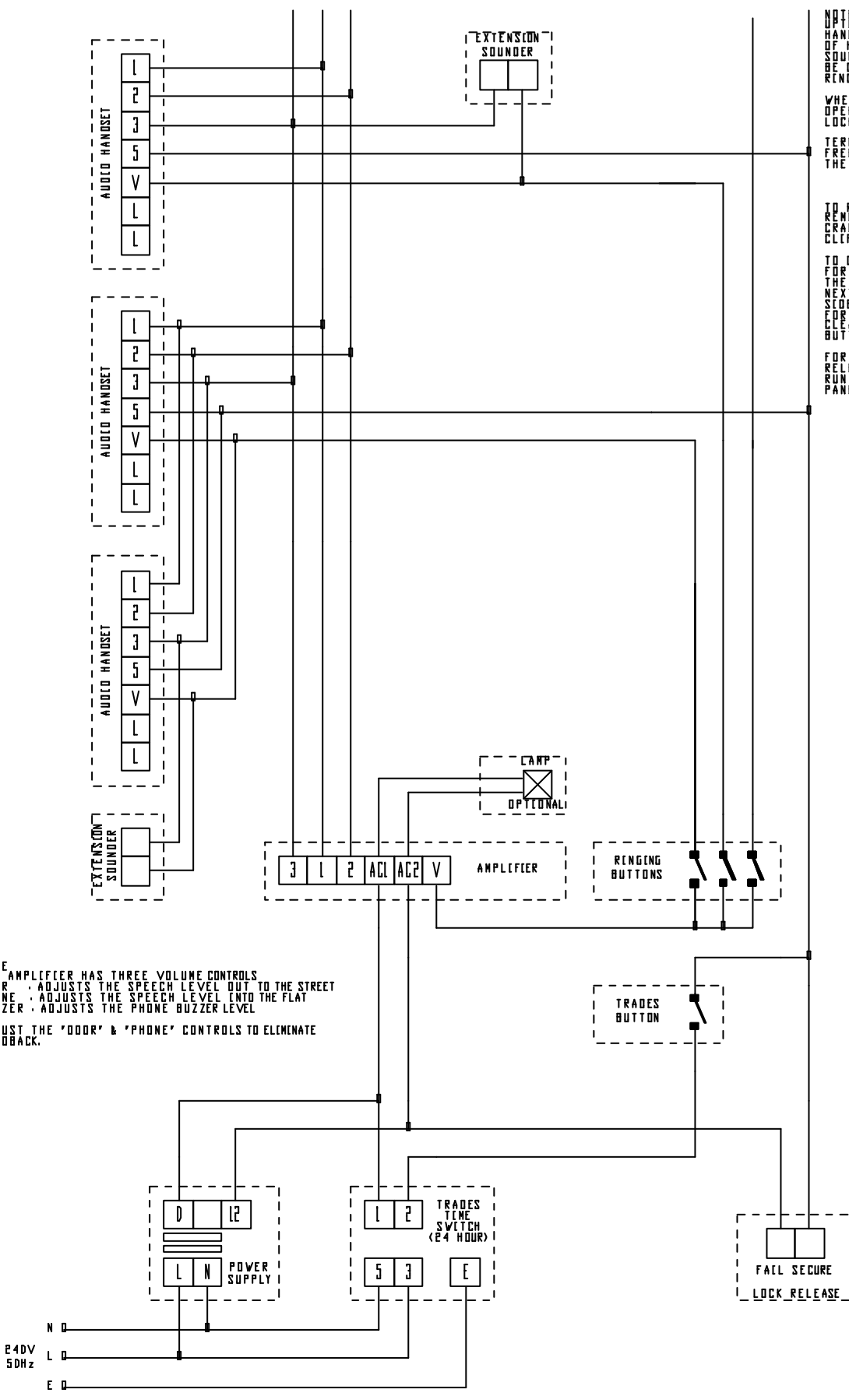
NOTE
UP TO 10 EXTENSION TELEPHONE
HANDSETS OR A COMBINATION
OF HANDSETS & EXTENSION
SOUNDERS MAY BE FITTED TO
BE CALLED FROM THE SAME
RINGING BUTTON.

WHEN PUSHED THE 'KEY' BUTTON
OPERATES THE FAIL SECURE
LOCK RELEASE.

TERMINALS 'L' & 'L' ARE VOLT
FREE (N/O) AND OPERATE WHEN
THE 'STAR' BUTTON IS PUSHED.

TO RELEASE THE PHONE COVER
REMOVE THE HANDSET FROM THE
CRADLE PUSH IN THE TWO WHITE
CLIPS AND REMOVE THE COVER.

TO INSERT NAME TAGS:
FOR SINGLE BUTTONS PRESS IN
THE CORNER OF THE NAME PLATE
NEXT TO THE BUTTON AND SLIDE
SIDEWAYS.
FOR DOUBLE BUTTONS UNCLIP THE
CLEAR LENS COVER FROM THE
BUTTON.

FOR SECURITY REASONS THE LOCK
RELEASE CABLE SHOULD NOT BE
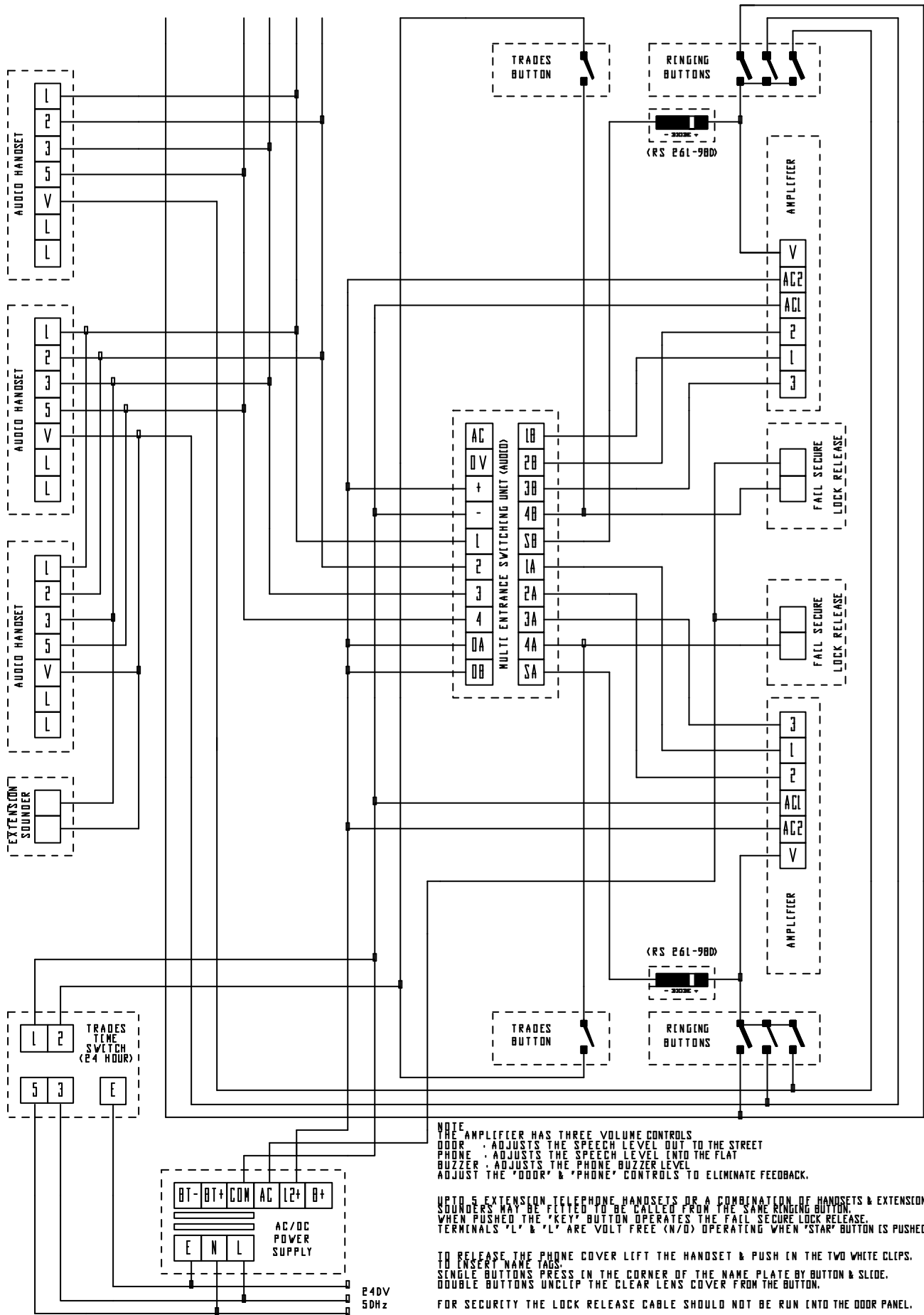RUN DIRECTLY INTO THE DOOR
PANEL.

NOTE
THE AMPLIFIER HAS THREE VOLUME CONTROLS
DOOR - ADJUSTS THE SPEECH LEVEL OUT TO THE STREET
PHONE - ADJUSTS THE SPEECH LEVEL INTO THE FLAT
BUZZER - ADJUSTS THE PHONE BUZZER LEVEL

ADJUST THE 'DOOR' & 'PHONE' CONTROLS TO ELIMINATE
FEEDBACK.

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ALPHA AUDIO
ACCESS CONTROL SYSTEM
AUDIO DOOR SYSTEM WITH MULTIPLE BUTTON DOOR PANEL, 24 HOUR TRADEMENS FACILITY
LEVAC PSU, FAILSECURE LEVAC RELEASE, SINGLE TELEPHONE HANDSET PER FLAT
PLUS
EXTENSION TELEPHONE HANDSETS, EXTENSION SOUNDERS & OPTIONAL LAMP.

DRAWING NUMBER
ALPHA-A
040_002

TRADES
BUTTON

RINGING
BUTTONS

(RS 261-980)

AMPLIFIER

V
AC2
AC1
2
1
3

AUDIO HANDSET
1
2
3
5
V
L
L

AUDIO HANDSET
1
2
3
5
V
L
L

AUDIO HANDSET
1
2
3
5
V
L
L

MULTI ENTRANCE SWITCHING UNIT (AUDIO)

AC	1B
0V	2B
+	3B
-	4B
1	5B
2	1A
3	2A
4	3A
0A	4A
0B	5A

FAIL SECURE
LOCK RELEASE

FAIL SECURE
LOCK RELEASE

3
1
2
AC1
AC2
V

AMPLIFIER

EXTENSION
SOUNDER

TRADES
TIME
SWITCH
(24 HOUR)
1   2
5   3   E

(RS 261-980)

TRADES
BUTTON

RINGING
BUTTONS

| BT- | BT+ | COM | AC | L2+ | B+ |

E   N   L

AC/DC
POWER
SUPPLY

240V
50Hz

NOTE.
THE AMPLIFIER HAS THREE VOLUME CONTROLS
DOOR : ADJUSTS THE SPEECH LEVEL OUT TO THE STREET
PHONE : ADJUSTS THE SPEECH LEVEL INTO THE FLAT
BUZZER : ADJUSTS THE PHONE BUZZER LEVEL
ADJUST THE 'DOOR' & 'PHONE' CONTROLS TO ELIMINATE FEEDBACK.

UPTO 5 EXTENSION TELEPHONE HANDSETS OR A COMBINATION OF HANDSETS & EXTENSION
SOUNDERS MAY BE FITTED TO BE CALLED FROM THE SAME RINGING BUTTON.
WHEN PUSHED THE 'KEY' BUTTON OPERATES THE FAIL SECURE LOCK RELEASE.
TERMINALS 'L' & 'L' ARE VOLT FREE (N/O) OPERATING WHEN 'STAR' BUTTON IS PUSHED.

TO RELEASE THE PHONE COVER LIFT THE HANDSET & PUSH IN THE TWO WHITE CLIPS.
TO INSERT NAME TAGS.
SINGLE BUTTONS PRESS IN THE CORNER OF THE NAME PLATE BY BUTTON & SLIDE.
DOUBLE BUTTONS UNCLIP THE CLEAR LENS COVER FROM THE BUTTON.

FOR SECURITY THE LOCK RELEASE CABLE SHOULD NOT BE RUN INTO THE DOOR PANEL.

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ALPHA AUDIO
ACCESS CONTROL SYSTEM
TWO ENTRANCE AUDIO DOOR SYSTEM WITH MULTIPLE BUTTON DOOR PANELS. 24 HOUR TRADEMENS
FACILITY. 12VAC/DC PSU. FAILSECURE 12VAC RELEASES. SINGLE TELEPHONE HANDSET PER FLAT.
PLUS
EXTENSION TELEPHONE HANDSETS & EXTENSION SOUNDERS.

DRAWING NUMBER
ALPHA-A
040_003