SRS
door entry systems

Drawing Reference	1D nH 2E AK				13.07.04
	Audio Diagram	Handsets	Entrances	AK5343 relay	Date

Two entrance audio door entry system - calling n telephone(s). System uses AK5343 relay

Installation Notes:

Cable Requirements
Make connections as per diagram in order to avoid interference. CW1308 telephone cable is suitable for distances up to 200 metres.
For longer cable runs you should increase the dimensions of the cores according to the chart.

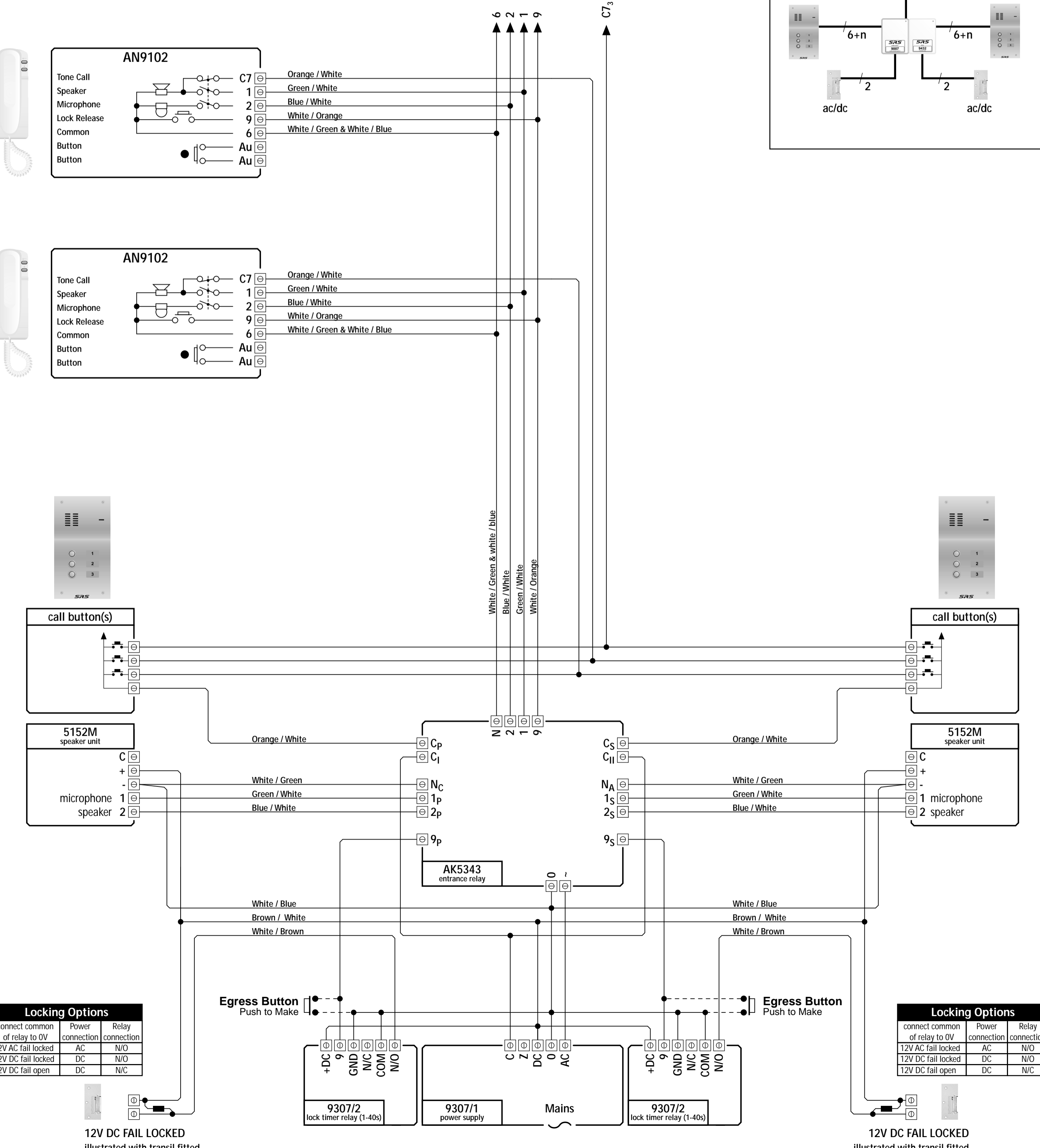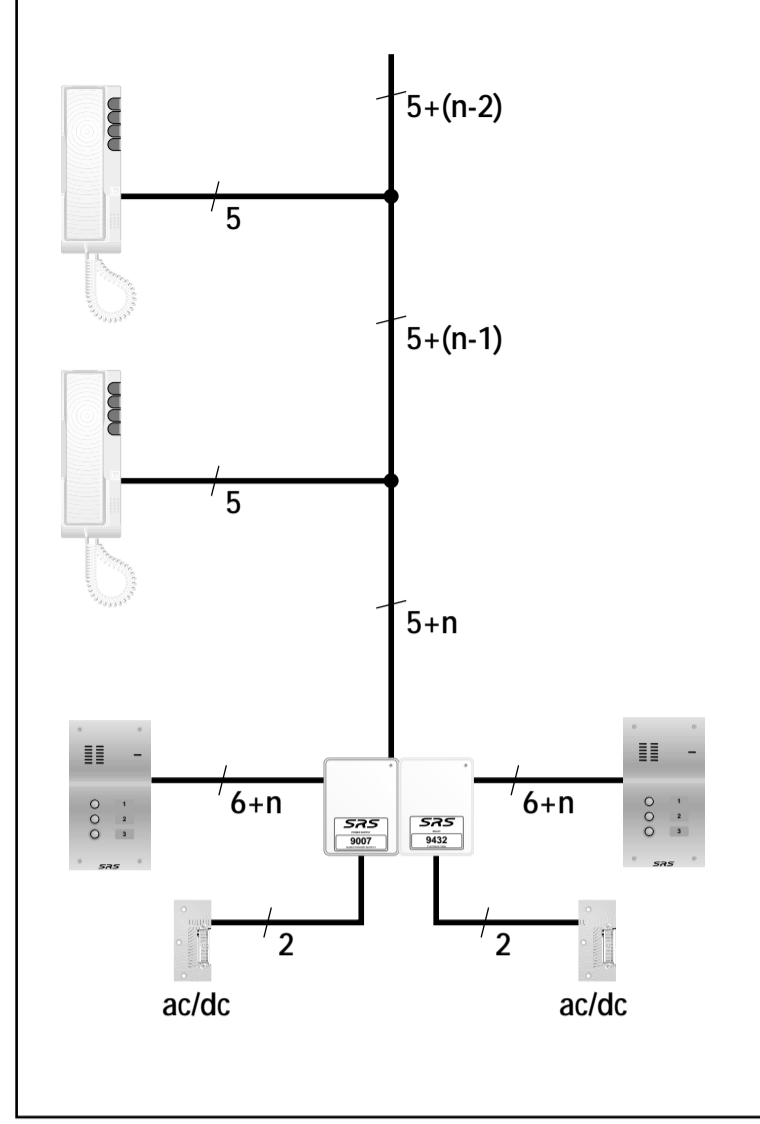| Trm	Wire Function	200	metres 300
1	Loudspeaker	0.5	0.8
2	Microphone	0.5	0.8
6	Common -ve	0.8	1.0
9	Lock release	0.5	0.8
C7	Call tone	0.5	0.8

Diameter of conductors mm

Please Note
Please make connections as shown in the diagram. TWO wires for terminal 6 of the telephone. White / Green & White / Blue are shown. This is intentional and should be followed for best results.

Locking Note
The lock time is set by the 9307/2. Always fit the Tranzil (lock suppressor) supplied. You may connect fail open or fail locked locking without the need for aditional relays.

Telephone
You may call up to 3 telephones simultaneously. Alternative telephones are AN0002, AN7320, AN7577.

Spare button
One push button is available for other functions (eg. opening a second lock) marked Au/Au. This is a push to make momentary switch.

Trade button
Connect 'TRADE' button the same as 'Egress Button'. Add 5200 time clock in series if required.

AN9102

Terminal			Colour
Tone Call	C7		Orange / White
Speaker	1		Green / White
Microphone	2		Blue / White
Lock Release	9		White / Orange
Common	6		White / Green & White / Blue
Button	Au		
Button	Au		

AN9102

Terminal			Colour
Tone Call	C7		Orange / White
Speaker	1		Green / White
Microphone	2		Blue / White
Lock Release	9		White / Orange
Common	6		White / Green & White / Blue
Button	Au		
Button	Au		

call button(s)

5152M speaker unit

C	Orange / White
+	
-	White / Green
microphone 1	Green / White
speaker 2	Blue / White

C_P, C_I, N_C, 1_P, 2_P, 9_P

C_S, C_{II}, N_A, 1_S, 2_S, 9_S

N 2 1 9

AK5343 entrance relay

5152M speaker unit

C	Orange / White
+	
-	White / Green
1 microphone	Green / White
2 speaker	Blue / White

White / Blue
Brown / White
White / Brown

Egress Button Push to Make

Egress Button Push to Make

Locking Options

connect common of relay to 0V	Power connection	Relay connection
12V AC fail locked	AC	N/O
12V DC fail locked	DC	N/O
12V DC fail open	DC	N/C

12V DC FAIL LOCKED
illustrated with transil fitted

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12V DC FAIL LOCKED
illustrated with transil fitted

+DC 9 GND N/C COM N/O

C Z DC 0 AC

+DC 9 GND N/C COM N/O

9307/2 lock timer relay (1-40s)

9307/1 power supply

Mains

9307/2 lock timer relay (1-40s)

5+(n-2)
5
5+(n-1)
5
5+n
6+n
6+n
2
2
ac/dc
ac/dc

White / Green & white / blue
Blue / White
Green / White
White / Orange