Bitron AV1407/010 Universal T-Line

Terminals

AuAu	Aux Button
OpOp	Lock
6	Ground
2	Speech Out (Mic)
1	Speech In (Speaker)
APP(E)	Electronic Call
APP(R)	Buzzer Call

IMPORTANT NOTE :

1) Before replacing the handset make note of the wires to each terminal on the existing unit (an easy way is to cut each core off leaving a piece of the insulation in place with colour visible) twist unused cores together (so you know they are not used, <u>do not</u> short them out).

2) Some older systems will have cable with one coloured core and a solid white core in this case mark each core with a marker or tape.

3) Some systems may have <u>loop on wiring</u>, you will have 2 cables into your handset (make sure any joins remain, as these may be serving other flats on the system).

Bitron AV1407/010 Compatibility Chart

AV1407/010 Manufacturer	OP / OP Door opener	2 Outgoing speech signal	6 Ground	1 Ingoing speech signal	APP (E) Electronic call tone	APP (R) Call tone by buzzer
ACET	5	10	2	7	9	
ACET-ANTENOPHONE	5	10	2	7		9
ACET-ANTENOPHONE	7	3	6	4		5
AIPHONE (poste CVK)	4	1	3	2	B	
AMPER	D	A	C	B	E	
AMPLIVOX	Z	T	0	R		1
AMPLIVOX	Z	8	0	T		1
AMPLIVOX	2	T	0	R		1
ATEA	2	4	3	1	5	
AUTA TF92	10	3	4	7	12	
AUTELCO	P5	a	1	b	2	
BELL SYSTEM TELEPHO.	Z	R	0	T	I	
Bitron	9	2	6	1	C7	11
BOGEN	T	1	3	2	6	
BPT	2	1	4	5	3	
CENTRAMATIC	4	2	1	3	5	
CEVAM	2	6	9	4		R
CITESA	1	4	C	3	B	
CITOFONIX	3	1	2	4		5
CITOVOX	5	10	9	7	T	
COFREL TERANEO LT	T	2	3	1		6
COMELIT	5	3/6	4	2	1	
ELBEX		MIC	LOW	SPEC	+	
ELBOX	2	6	9	4	+	
ELBOX	7	2	3/4/5	1	6	
FARFISA	5	1	3	2	6	
FERMAX	1	2	3	6	4	
FERMAX 2044,20440,21100	1	2	3	6	4	
FERMAX GONDOLA	4	1	3	2	V/5	
FERMAX REKTO TF-4	P	A	C	B	E	
FRINGE	2	3	1	6	4	
GAME	P	2	3	1	Z	
GIRO	2	3	1	6	4	
GOLMAR	X	M	A	S	N	
GOLMAR	C2	5	3	10	7	
GOLMAR	11	5	3	4	12	
GOLMAR T-2800	4	5	3	10	7	

AV1407/010 Manufacturer	OP / OP Door opener	2 Outgoing speech signal	6 Ground	1 Ingoing speech signal	APP (E) Electronic call tone	APP (R) Call tone by buzzer
GOLMAR T-600	T	1	3	2	6	
LT TERRANEO COFREL	T1	1	3	2	6	
OSTELVI	9	2	6	1	7	
PORMAT	4	3	2/5	1	V	
RIPOLLES	3	1	8	2	4	
RITTO ELEGANT 40518	11	12	13	15	14	
SAFNAT	4	1	2	3	V	
SELTI	5	1	3	2	6	
SIEDLE HTA 711-01	I	12	9/C	11	7	
SPRINT	"/"	1	3	2	6	
STR NH200	1	M	0	T	S	
STR NH205	1	M	0	T	S	
TAGRA	8	2	6	1	4	
TEGUI GL	3	4	2	5	1	
TEGUI HORIZON (elec.)	3	4	2	5	1	
TEGUI HORIZON (Zum.)	3	4	2	5	1	
TELEVES	4	2	3	1	T	
TESLA DDZ 85	1	2	3	6	4	
TESLA DDZ 93	z	2	3	6	4	
TUNE	8	2	6	1	4	
URMET	8/9	2	11	1	7	
URMET	9	2	6	1	7	
URMET	9	2	6	1	CA	7
VIDEX	5	1	7	2	6	
YUS PHONE	EL	T	-	R	B/PT	
TRANSIFON	1	5	6	7		4
VEMEL	5	2	3	4		1
VIDEX	5	1	7/3	2	4	6
VISIDIS(OKAY)	5	2	4	3/6		1

Installation Instructions

▰▰ CHARACTERISTICS

The main characteristics of AV1407/010 universal door phone are the following:

1. installation in 4+n (5 wires) systems and in 1+n (2 wires) systems.
2. possibility to have traditional call on buzzer or electronic call on handset loudspeaker
3. electronic call adjustment or disabling by a slide switch with three positions.
   - Maximum volume;
   - Minimum volume;
   - call disabling (this is signalled by a little red flag, that comes out of the door phone body)
4. possibility to adjust the incoming speech signal volume (handset loudspeaker)
5. possibility to adjust the outcoming speech signal volume (handset loudspeaker)

✓ *By default the door phone is configured for 4+n signals and for call on buzzer.*

▰▰ TERMINAL PINS DESCRIPTION

Terminal strip connections according to the system wiring			
2 wires (1+n)		**5 wires (4+n)**	
APP	Not connected	APP	Call tone by buzzer or electronic
1	System ground	1	Incoming speech signal (loudspeaker)
2	Speech signal/call tone	2	Outgoing speech signal (microphone)
6	Not connected	6	System ground
OP	Connect to door phone terminal pin 1	OP	To be connected to the door phone terminal pin 6
OP	Connect to door phone terminal pin 2	OP	Door opener
Au	Free auxiliary contact	Au	Free auxiliary contact
Au	Free auxiliary contact	Au	Free auxiliary contact

▰▰ INSTALLATION

Wall mounting procedure:

1,48 ÷ 1,52 m
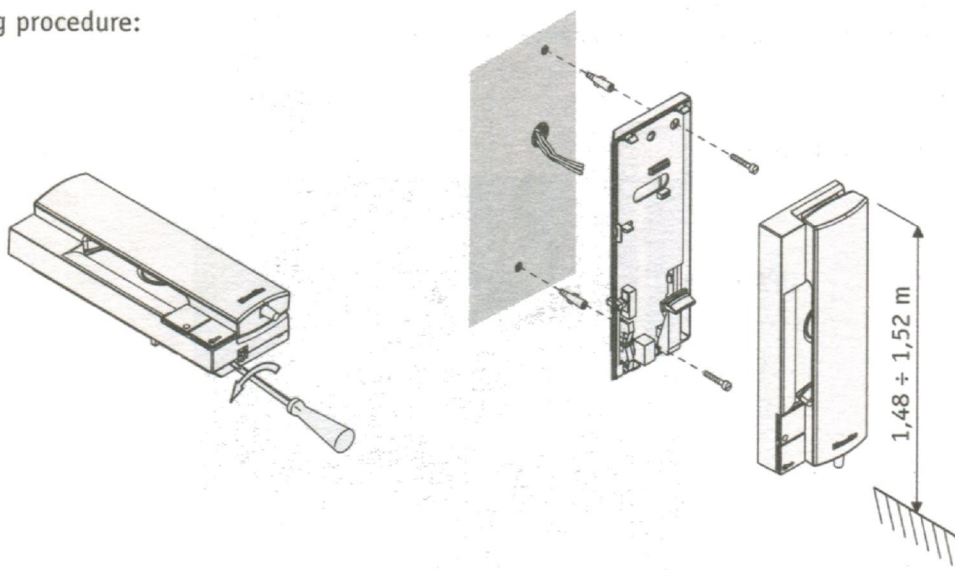
4+N SYSTEMS

For 4+n (5 wires) systems, put all the jumpers JP1÷JP5 in position "5", as shown in the photo (standard configuration):

MIK

SPK
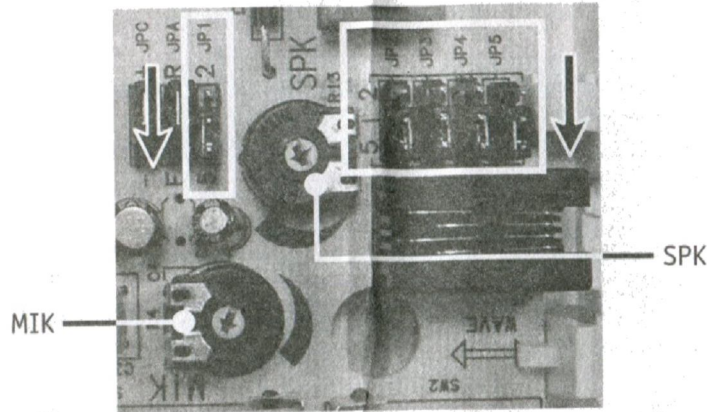
In case of traditional speech signal, set the trimmers MIK and SPK as shown in the photo.
In case of electronic speech signal, rotate all the trimmer SPK clockwise.

1+N SYSTEMS

- Leave the jumper JPC in "+" position.

For 1+n (2 wires) systems, put all the jumpers JP1÷JP5 in position "2", as shown in the photo:

MIK

SPK
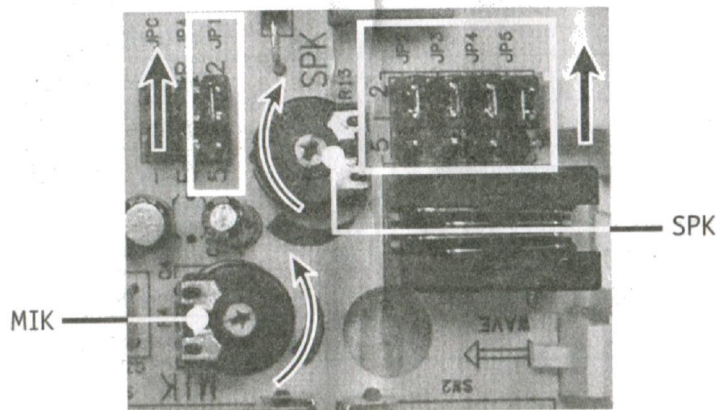
Rotate all the trimmer SPK clockwise.
Rotate the trimmer MIK at about central stroke position.

CALL BY BUZZER

Put the jumper JPA in position "R".

JPA
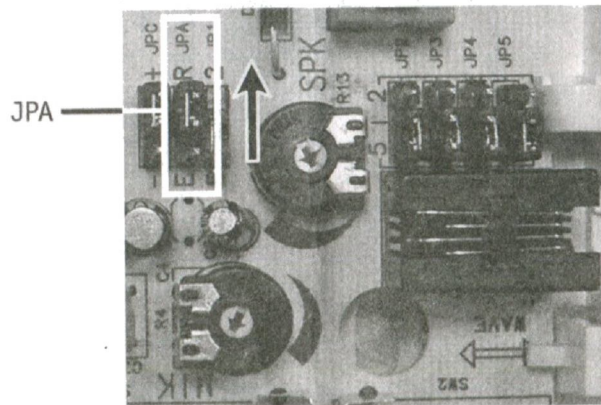
ELECTRONIC CALL BY HANDSET LOUDSPEAKER

- Put the jumper JPA in position "E".
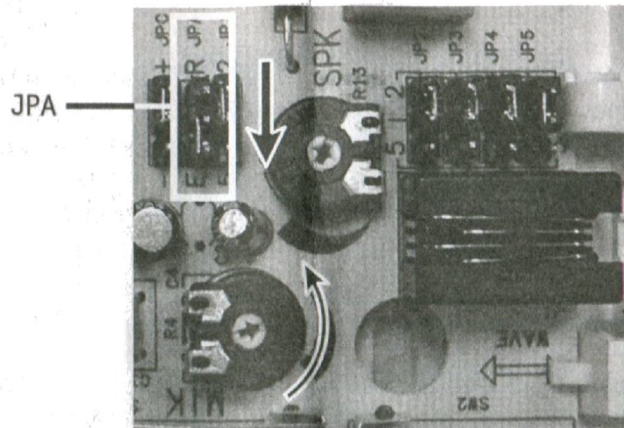
JPA

CONNECTIONS

4+N SYSTEMS

call	APP
incoming speech signal (loudspeaker)	1
outgoing speech signal (microphone)	2
system ground	6
	OP
door opener	OP
	Au
	Au

AV 1407/010

1+N SYSTEMS

	APP
system ground	1
speech signal / call tone	2
	6
	OP
	OP
	Au
	Au

AV 1407/010
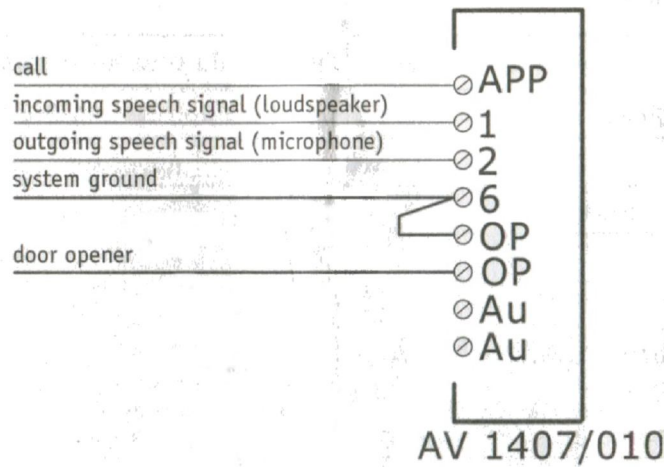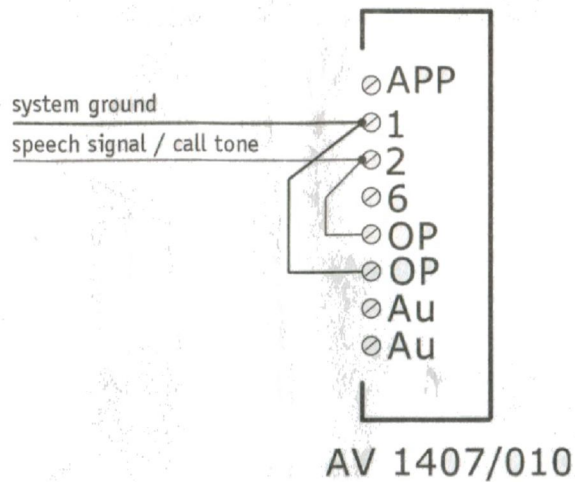
Wiring Diagram
Bitron Domular 3000 5 Wire Audio

Riser

Notes -

* A = 4 pair BTcable CW1308

* Maximum distance from to power supply to handset is 100M.

* Maximum distance from entry panel to power supply is 20M

* For distances 50M - 100M please add 1.0mm Brown and Blue singles from psu to entry panel.

* For greater distances please contact technical support.

* Fit MOV suppression across lock connections to protect against back emf.

* Set jumpers on AV0052/50-52 door unit (RC-E-R) according to instructions in the manual

* If using a DC release/maglock, a DC power supply and relay will be required

C7
P
1
2
9
6
Au
Au
AV 1407/001

C7
P
1
2
9
6
Au
Au
AV 1407/001

C7
P
1
2
9
6
Au
Au
AV 1407/001

C7
P
1
2
9
6
Au
Au
AV 1407/001

0   RETE
230 MAINS
~
~
+
—
C
AV 1142

lock

RC

~
0
—
1
2
CH
Y
CP
C2
C1

AV 0052/50-52

Est   Inf
O   O

E R

P1
P2
P3
CP
CD
P4
P5
P6
0
~

AV 0045/06
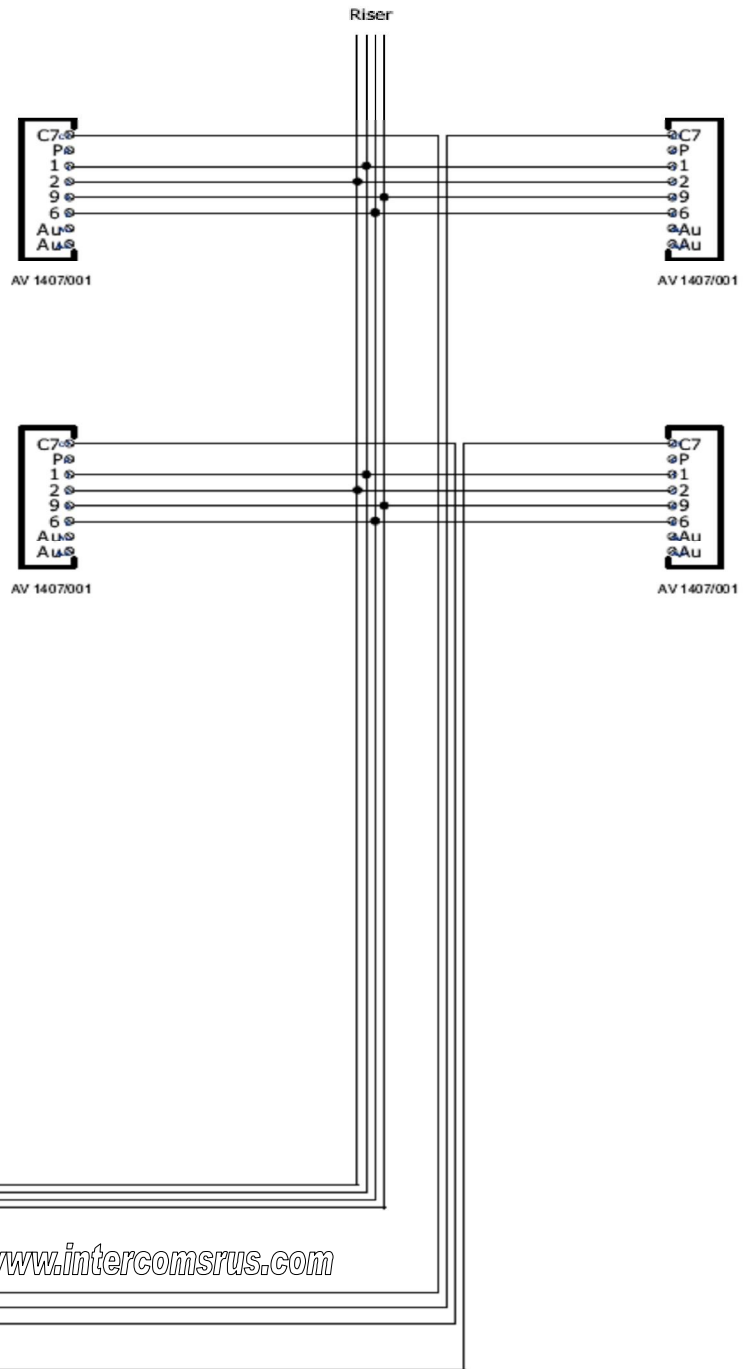
www.intercomsrus.com
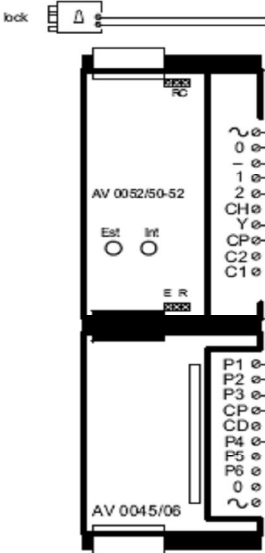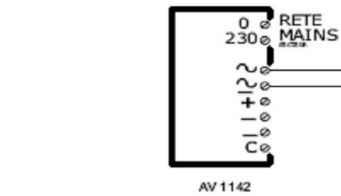
Bus connector with connections

Closing connector without connections

Title	Domular 3000 1 Door 4 way 4 + n ref BV-C4N-2008		
Drawing No	BVG00033/AUD		
Date	16/01/2009		
Revision	02	Author	MD

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STYLE AND INNOVATION
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Wiring Diagram
Bitron Domular 3000 2 Entrance System

further handsets

AV 1407/001

AV 1407/001

AV 1407/001

AV 1407/003

CP   CI
1   1sz
2   Re
     Na   ~
     1s
     2s
     2p
     1p
     Nc
     9p
     9s   0
     9   Cs
     N   CII

AK 5343

optional exit button

AC lock

AV 0052/50-52

Est   Int

~
0
–
1
2
CH
Y
CP
C2
C1

E R

P1
P2
P3
CP
CD
P4
P5
P6
0
~

AV 0045/06

optional exit button

AC lock

AV 0052/50-52

Int   Est

R E

~
0
–
1
2
CH
Y
CP
C2
C1

P1
P2
P3
CP
CD
P4
P5
P6
0
~

AV 0045/06

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Mains

0
230
~
~
+
–
C

AV 1142

0
230

Mains

~
~
+
–
C

AV 1142
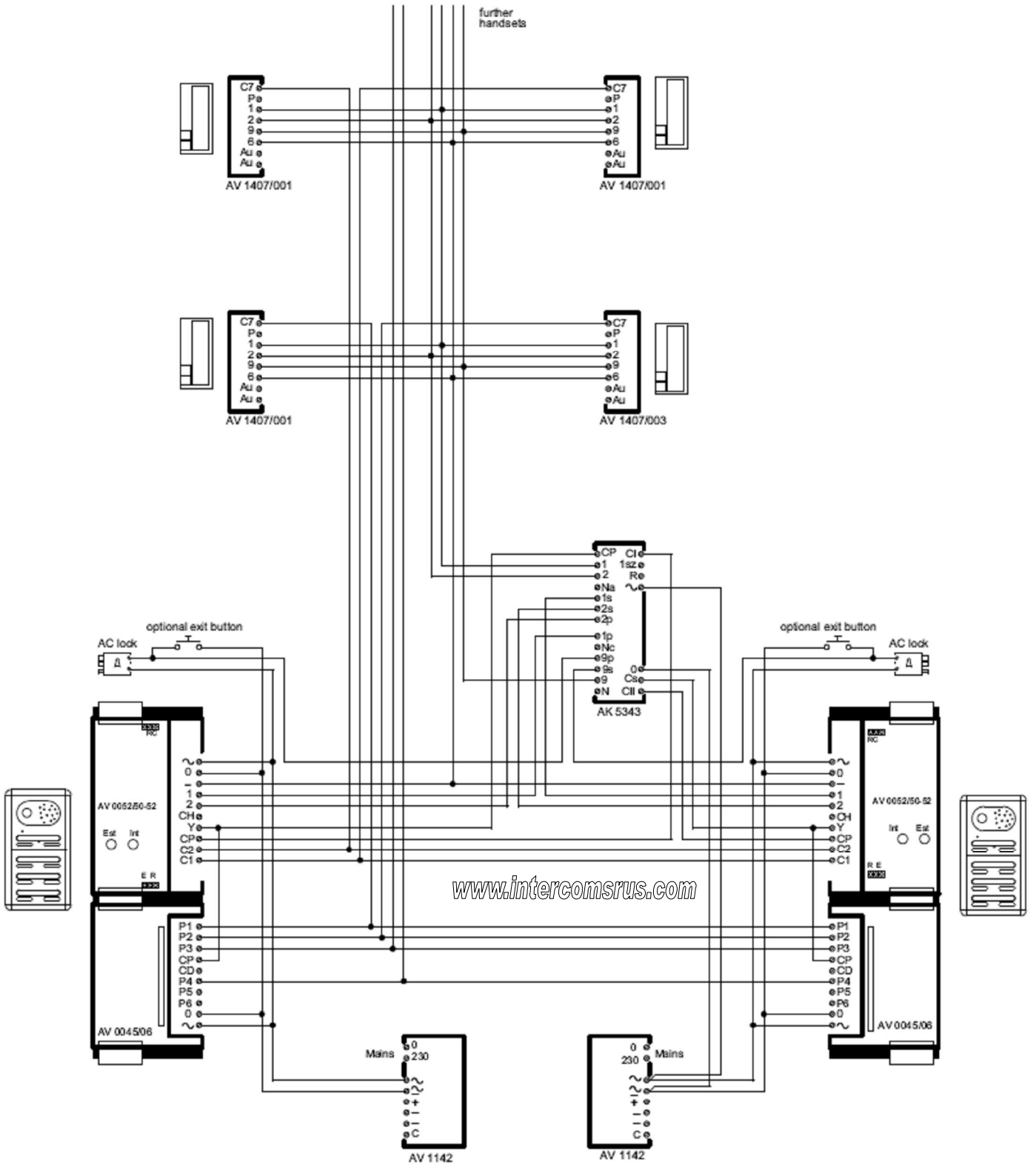
(Kit AV2058/52) DOORPHONE SYSTEM WITH 1 VISITOR PANEL, 2 USERS

APP
1
2
6
OP
OP
Au
Au

AV 1407/010

APP
1
2
6
OP
OP
Au
Au

AV 1407/010

AV1878/12 + AV 2058/100   (4+1)

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AUDIO MODULE

EXT

INT

RC   0 P C 1 2 –

MAINS   12
0

AN 1299

Lock

External Door Opener
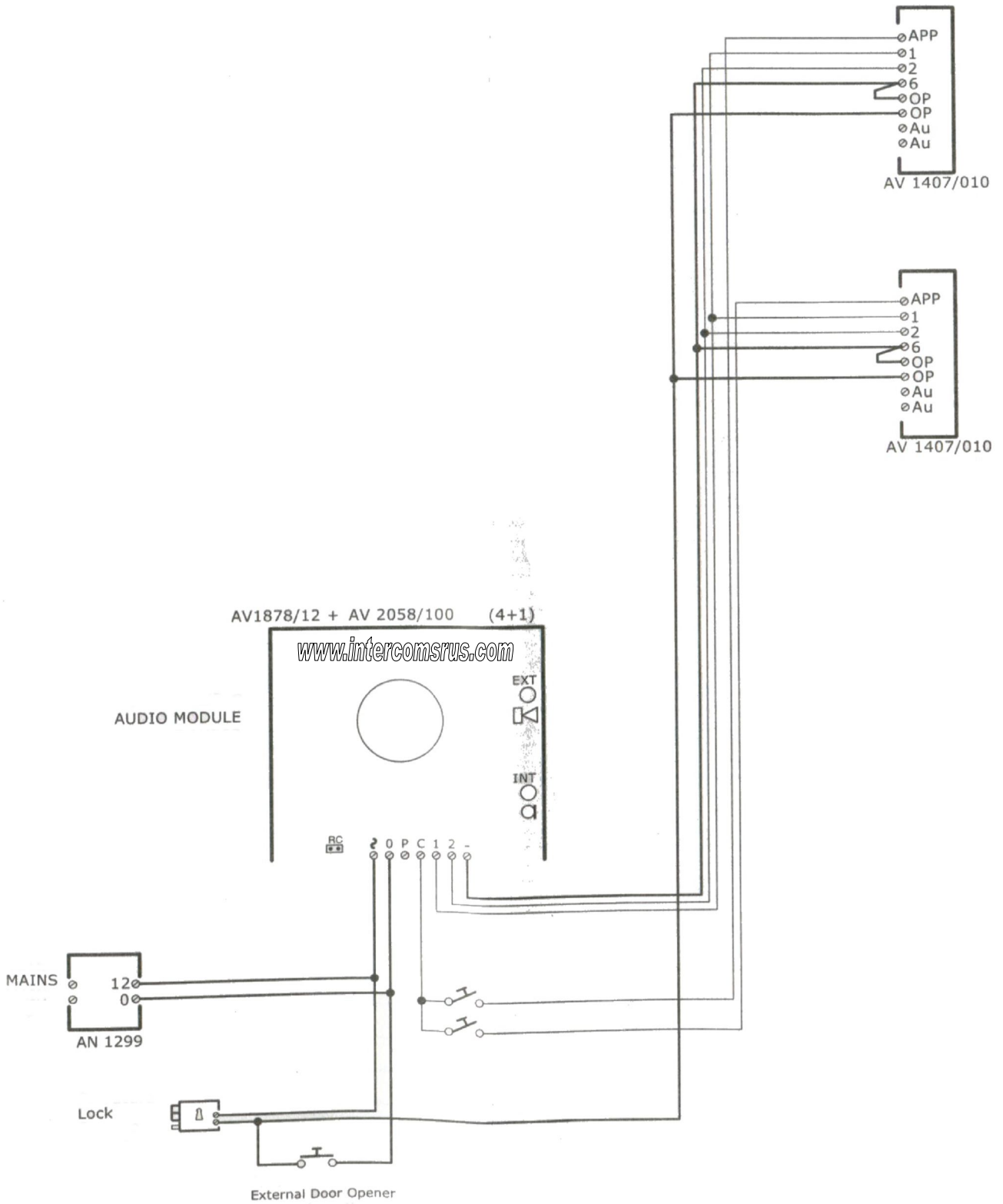
(Kit AV2066/22) DOORPHONE SYSTEM WITH 1 VISITOR PANEL, 2 USERS

APP
1
2
6
OP
OP
Au
Au

AV 1407/010

APP
1
2
6
OP
OP
Au
Au

AV 1407/010

AV 2066/100 (1+1)

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AV1878/12

AUDIO MODULE

EXT

INT

E R
AP
2 0 AP CH P Y P X CD C1 C2

P1

P2

MAINS
12
0

AN 1299

Lock

External Door Opener