

Art. 136 Speaker unit for audio door entry systems "4+1" and video door entry systems

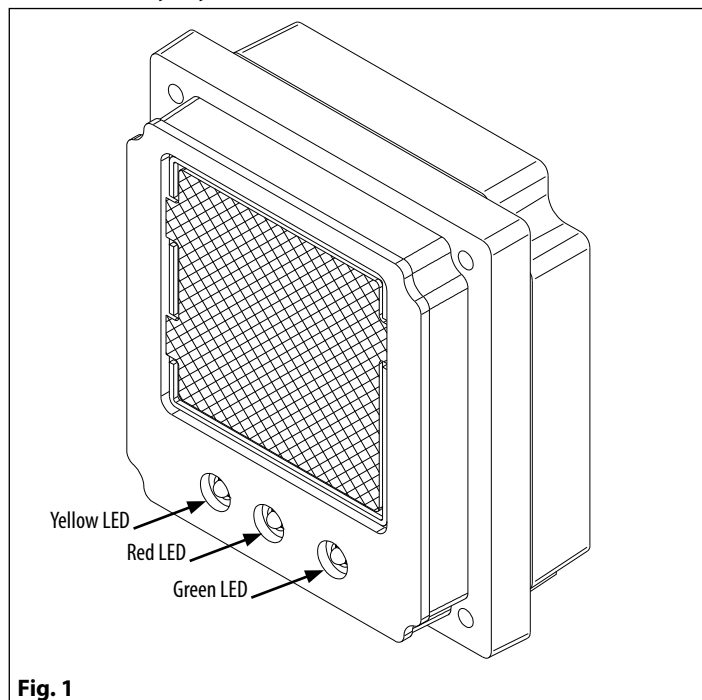


Fig. 1

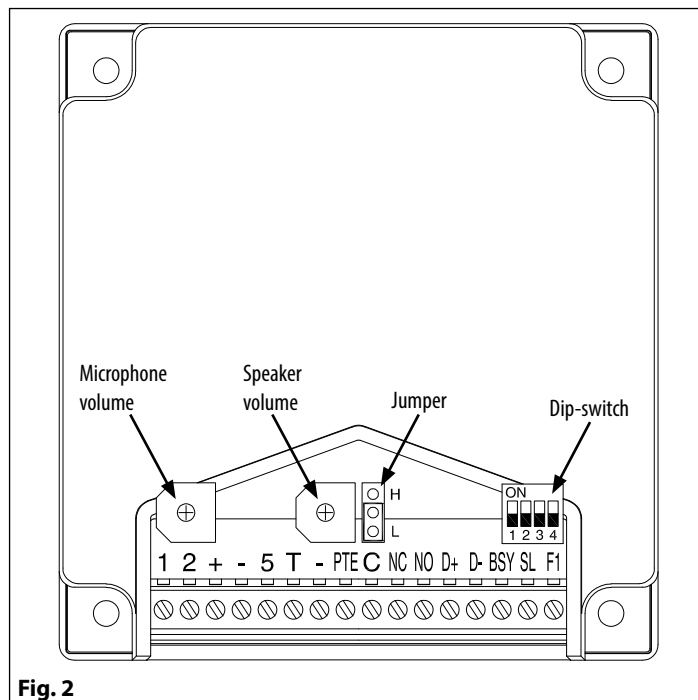


Fig. 2

DESCRIPTION

The Art. 136 speaker unit is an intelligent device with a built-in microprocessor to control the functions of a system. This speaker unit offers ease of installation (on audio door entry systems with multiple entrances there are no audio entrance Art. 502N switchers required) and assists the user by providing visual and acoustic reassurance signals during the process of a call (call, conversation, door open etc).

The enclosed speaker unit circuitry includes:

- The microprocessor for controlling all functions;
- The transmitting amplifier with condenser microphone and volume control;
- The receiving amplifier and volume control;
- 3 LEDs for Speak, Busy and Door Open visual indication;
- The dry contact lock release relay to enable the electric lock or gate;
- The modulated tone generator for calling apartments;
- One 4 way DIP-SWITCH and a jumper to program the unit.

SPEAKER UNIT PROGRAMMING

The dip-switch and the jumper are accessible from the back of the module allowing the setup of the following parameters:

DIP-SWITCH 4 WAY

- The conversation time 1 or 2 minutes (switch 1);
- The door opening time 2,4,8 or 20seconds (switches 2,3);
- The recall on handset pick-up i.e. Speech live when a handset is lifted, no call required. (switch 4);

JUMPER

- Reassurance tone High, Low or off.

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4 WAY DIP-SWITCH			
Switch	Status		Operation
1	OFF		2 minutes
	ON		1 minute
2, 3	OFF	OFF	2 seconds
	OFF	ON	4 seconds
	ON	OFF	8 seconds
	ON	ON	20 seconds
4	OFF		System recall disabled
	ON		*System recall by handset pick-up

* The system recall by handset pick up can be enabled only on one entrance audio door entry systems.

JUMPER (REASSURANCE TONE)	
Position	Operation
High	Reassurance tone enabled with high volume
Low	Reassurance tone enabled with low volume
No jumper	Reassurance tone disabled

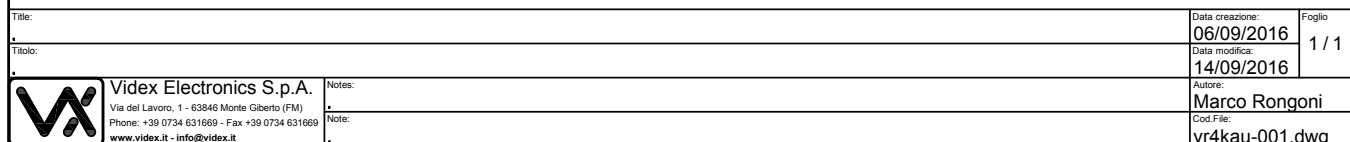
Note: If the reassurance tone is enabled, the door opening is also confirmed by a tone.

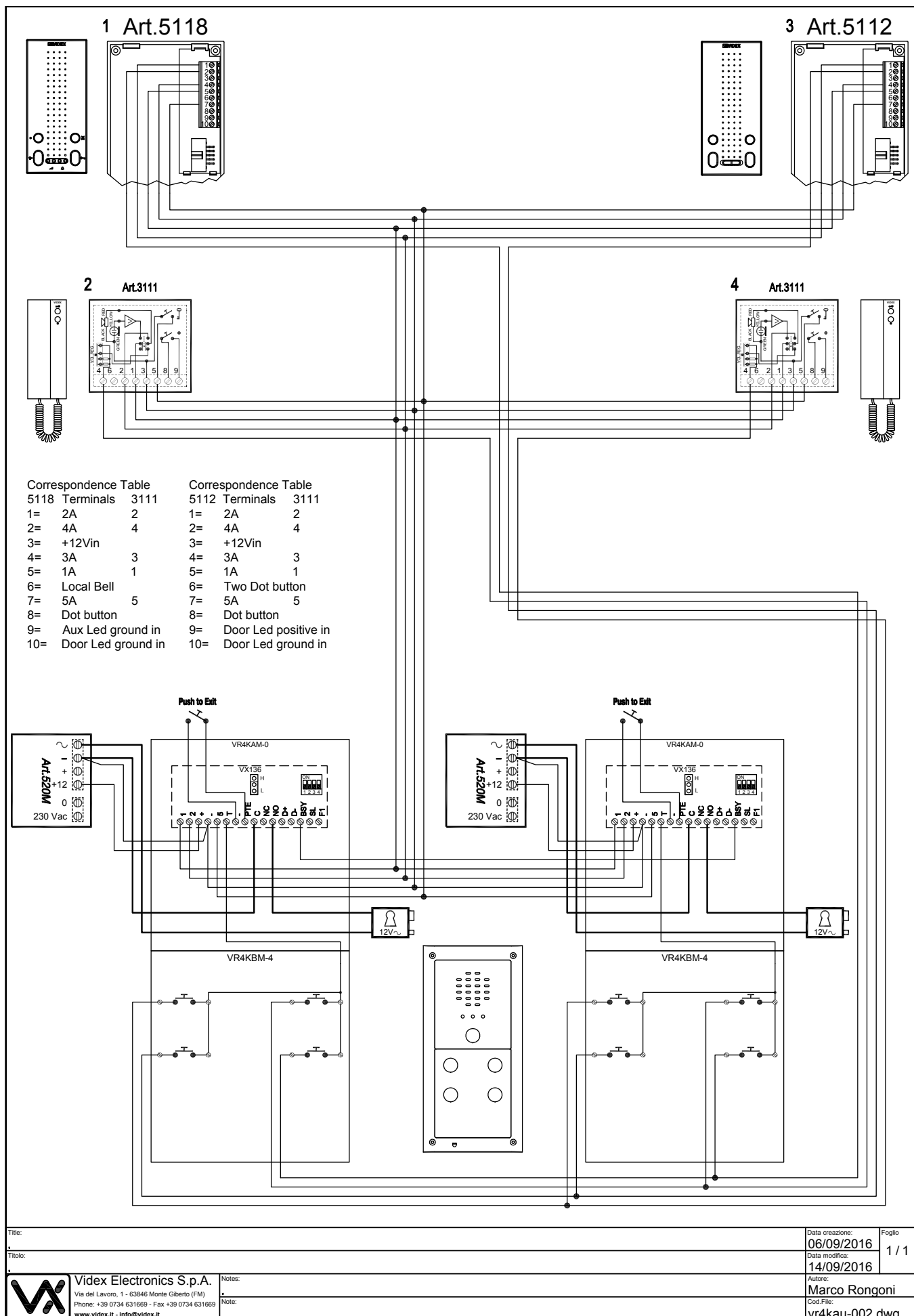
FRONT LEDS – SIGNALLING DESCRIPTION	
LED	Description
Yellow	Illuminates during the conversation
Red	Illuminates to advise that the call is not allowed because another door panel is in conversation in the system
Green	Illuminates when the door opens for the duration of the door opening time

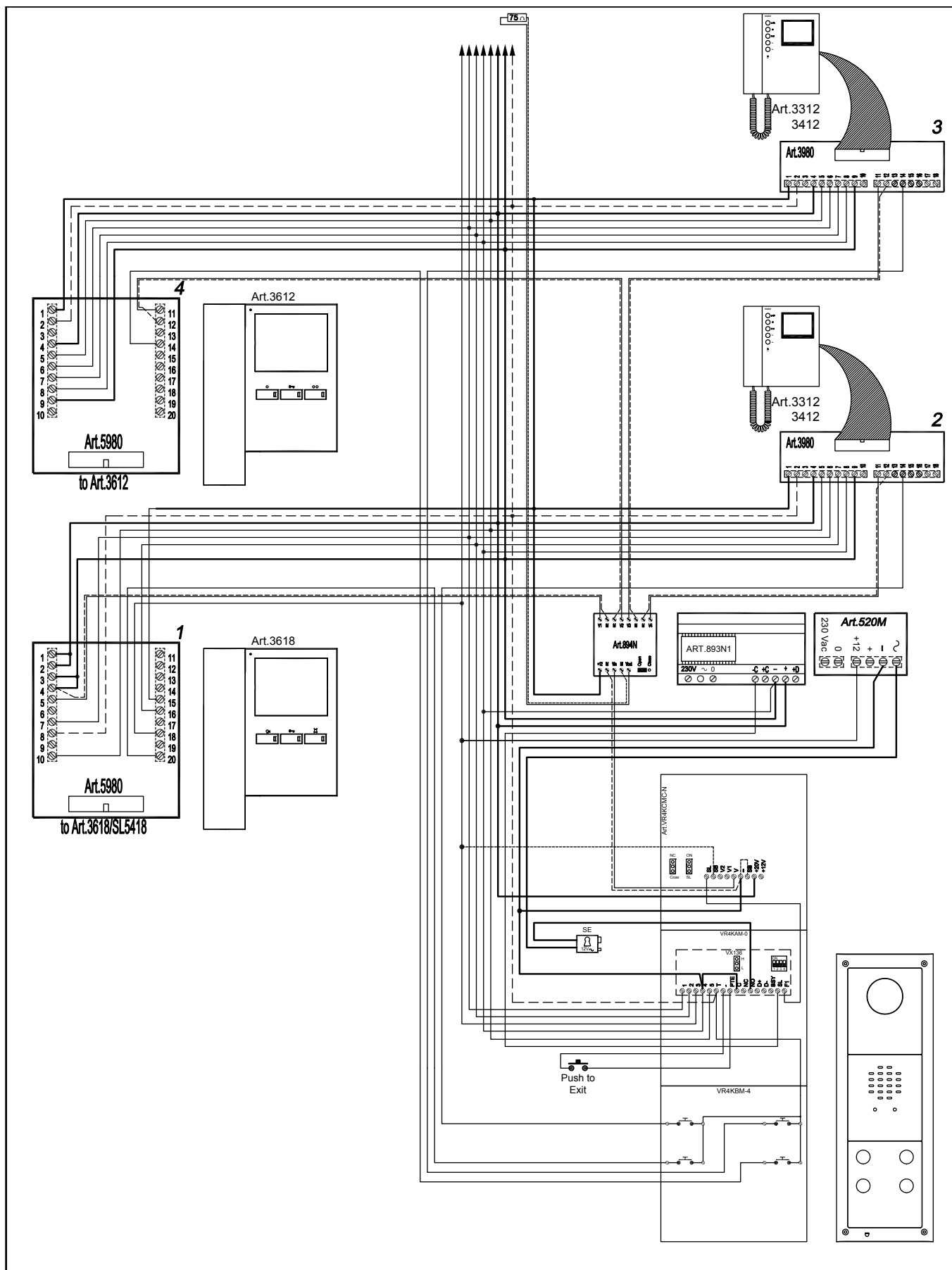
CONNECTION TERMINALS		
Terminal	Signal description	
1	Speech line input toward the speaker	
2	Speech line output from the microphone	
+	+12Vdc input	
–	0V (Ground)	
5	Switched 0V from phone to trigger door release relay	
T	Electronic call tone output to common side of call button	
–	0V for use with push to exit input (PTE)	
PTE	Switched 0V input from push to exit button to trigger door release relay	
C	Common connection of dry contact relay	3 Amp AC/DC 24V max
NC	Normally closed connection of dry contact rela	
NO	Normally open connection of dry contact relay	
D+	External link to door open (+12V side) LED.	
D–	External link to door open (0V side) LED.	
BSY	Busy signal for use with multiple door systems (Normally high, 12V. Low when busy 0V)	
SL	Switched 0V output. (0V throughout a call, open collector in standby)	
F1	Switched 0V output to switch on camera or. (0V throughout a call, open collector in standby)	

TECHNICAL SPECIFICATION

Power Supply:	12Vdc
Power consumption:	Stand-by: 25mA
	During a call: 150mA
	During a conversation: 70mA
Working Temperature:	-10 +50 °C



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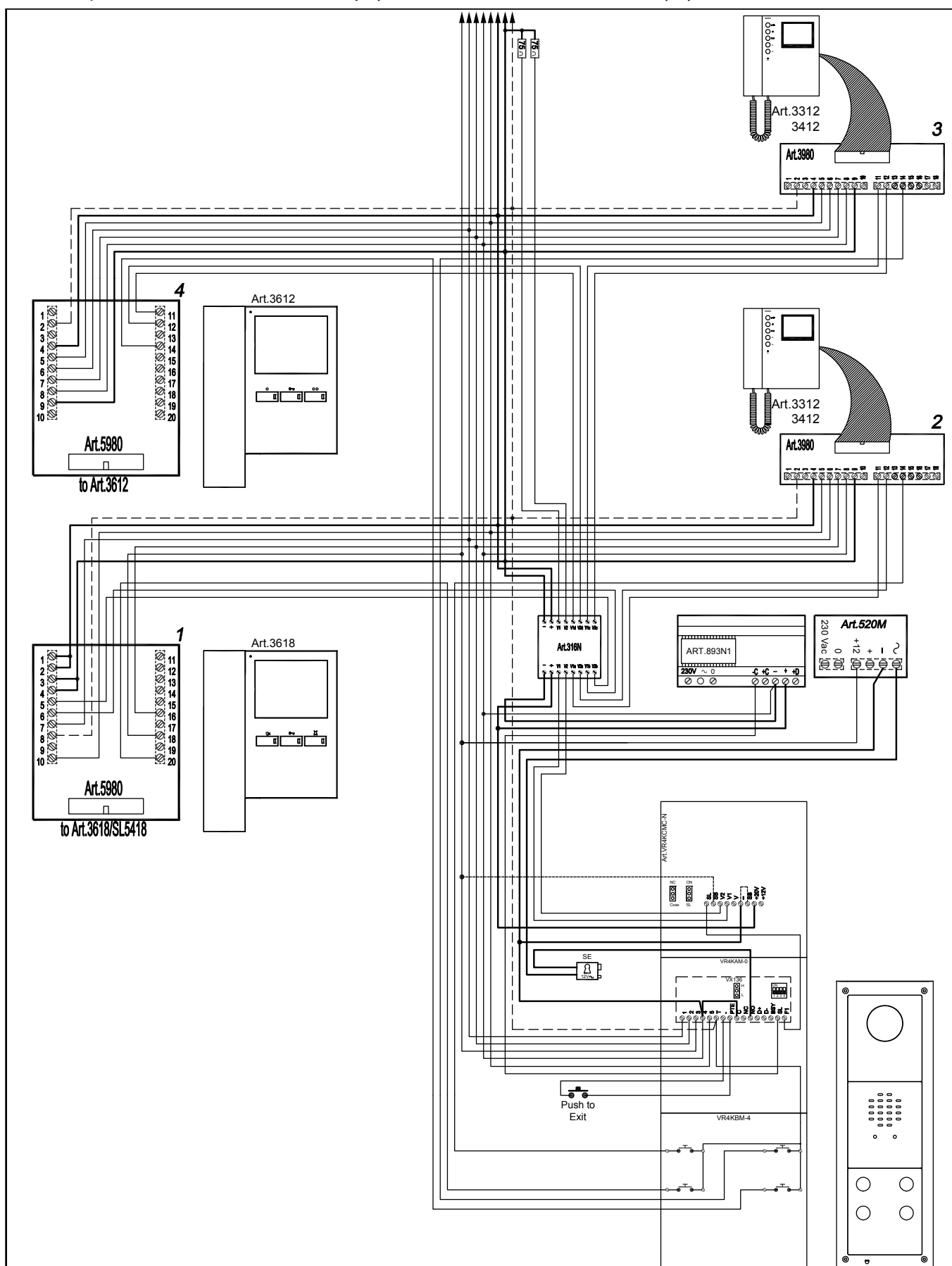
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Title:
 "n" users 1 entrance video door entry system using coax cable
 Titolo:
 Sistema videocitofonico ad 1 ingresso per "n" utenti con segnale video coassiale
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Notes:

Note:

Data creazione: 14/09/2016
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Area with horizontal dashed lines for notes.



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ITALY

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