Art. 136

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

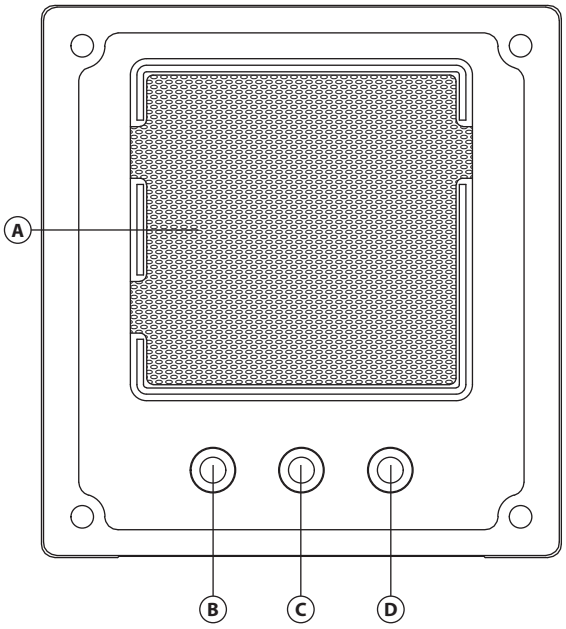


Fig. 1 Front

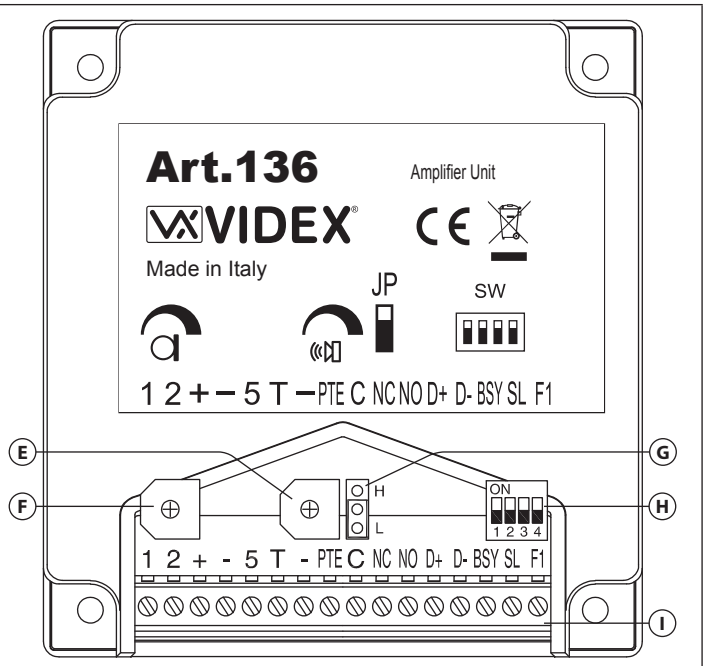


Fig. 2 back

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.

LEGEND

(A) Loudspeaker
(B) Yellow LED
(C) Red LED
(D) Green LED
(E) Loudspeaker volume
(F) Microphone volume
(G) Jumper
(H) 4 way dip-switch
(I) Connection terminals

LEDS

Yellow	Illuminates during the conversation
Red	Illuminates to advise that the call is not allowed beacuse another door panel is in conversation in the system
Green	Illuminates when the door opens for the duration of the door opening time

REGOLAZIONI

	Microphone volume Adjust the microphone volume. Rotate clockwise to increase or anti-clockwise to decrease
	Loudspeaker volume Adjust the loudspeaker volume. Rotate clockwise to increase or anti-clockwise to decrease

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

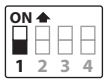
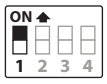
PROGRAMMING

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

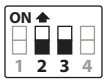
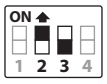
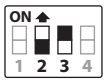
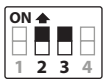
DIP-SWITCH 4 WAY

- 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).

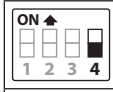
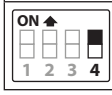
PROGRAMMING THE CONVERSATION TIME

Switch	Nr.1	Setting Up
	OFF	= 2 minutes
	ON	= 1 minute

PROGRAMMING THE DOOR OPENING TIME

Switch	Nr.2	Nr.3	Setting Up
	OFF	OFF	= 2 seconds
	ON	OFF	= 4 seconds
	OFF	ON	= 8 seconds
	ON	ON	= 20 seconds

RECALL ON HANDSET PICK-UP

Switch	Nr.1	Setting Up
	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 High, Low or off.

	Reassurance tone enabled with high volume
	Reassurance tone enabled with low volume
	Reassurance tone disabled

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

SIGNALS ON CONNECTION TERMINALS

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 relay	
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:	-20 +60 °C

Art. 136

Portiere elettrico per sistemi citofonici "4+1" e sistemi videocitofonici

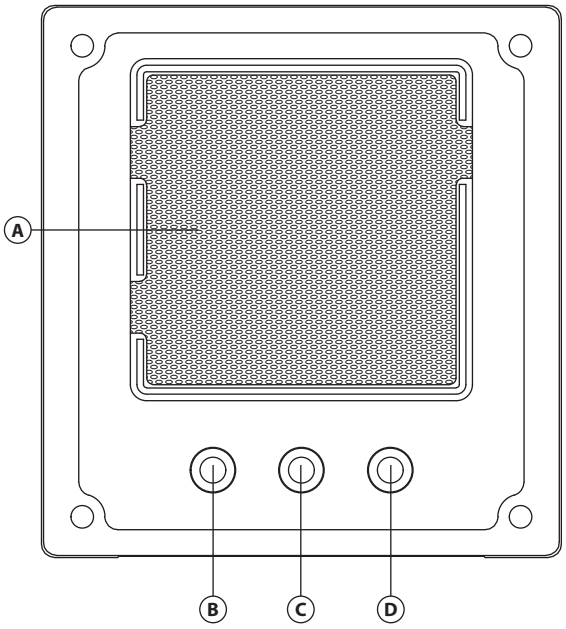


Fig. 1 Fronte

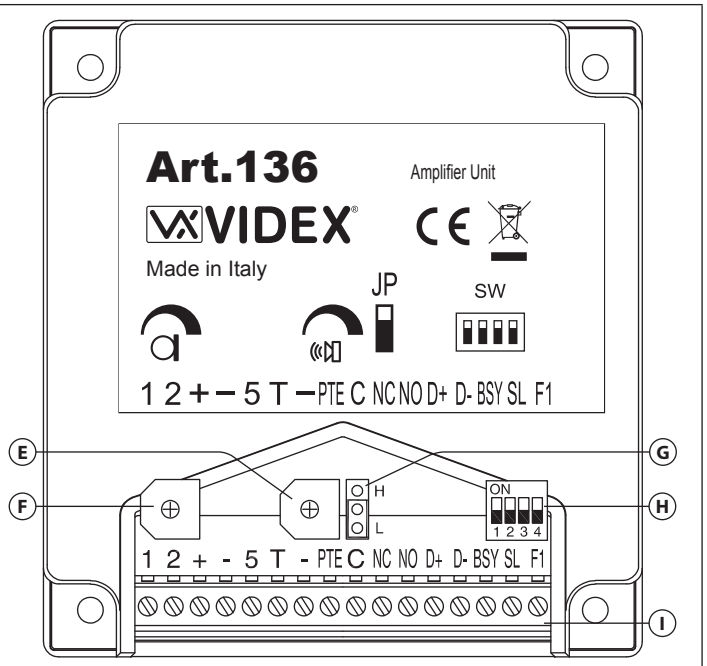


Fig. 2 Retro

DESCRIZIONE

Il portiere Art. 136 è di tipo intelligente ed incorpora un microprocessore per la gestione di tutte le funzioni. Oltre a consentire una facile installazione (nei sistemi citofonici multi-ingresso non è richiesto lo scambiatore d'ingressi Art. 502N), questo portiere agevola gli utenti del sistema fornendo segnalazioni acustiche e visive in merito al funzionamento dell'impianto.
L'elettronica del portiere elettrico comprende:

- Il microprocessore
- L'amplificatore di trasmissione con microfono a condensatore e regolazione del volume;
- L'amplificatore di ricezione con altoparlante da 0,5W e regolazione del volume;
- 3 LED per le indicazioni visive in merito al funzionamento dell'impianto;
- Il relè d'asservimento per l'attivazione della serratura elettrica;
- Il circuito di generazione della nota elettronica;
- Un DIP-SWITCH a 4 vie ed un jumper per programmare l'unità.

LEGENDA

(A) Altoparlante
(B) LED giallo
(C) LED rosso
(D) LED verde
(E) Volume altoparlante
(F) Volume microfono
(G) Jumper
(H) Dip-switch a 4 vie
(I) Morsettiera di connessione

LED

Giallo	Acceso durante la conversazione
Rosso	Si illumina per avvisare che la chiamata non è accettata a causa di un'altro posto esterno in conversazione nel sistema
Verde	Acceso all'apertura della porta per il tempo d'apertura porta

REGOLAZIONI

	Volume microfono Regolazione del volume del microfono. Ruotare in senso orario per aumentare o antiorario per diminuire
	Volume altoparlante Regolazione del volume dell'altopalralte. Ruotare in senso orario per aumentare o antiorario per diminuire

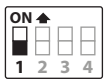
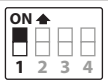
PROGRAMMAZIONE

La configurazione del dip-switch e del jumper accessibili dal retro del modulo permettono di impostare i seguenti parametri:

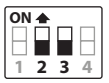
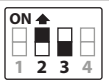
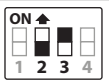
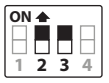
DIP-SWITCH 4 VIE

- Il tempo di conversazione 1 o 2 minuti (switch 1);
- Il tempo d'apertura porta 2, 4, 8 o 20 secondi (switch 2,3);
- L'auto-accensione sollevando la cornetta (switch 4).

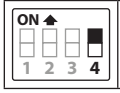
PROGRAMMAZIONE DEL TEMPO DI CONVERSAZIONE

Switch	Nr.1	Impostazione
	OFF	= 2 minuti
	ON	= 1 minuto

PROGRAMMAZIONE DEL TEMPO DI APERTURA PORTA

Switch	Nr.2	Nr.3	Impostazione
	OFF	OFF	= 2 secondi
	ON	OFF	= 4 secondi
	OFF	ON	= 8 secondi
	ON	ON	= 20 secondi

AUTO-ACCENSIONE

Switch	Nr.1	Impostazione
	OFF	Auto-accensione disabilitata
	ON	Auto-accensione sollevando la cornetta*

*** La funzione può essere utilizzata solamente in sistemi audio ad un ingresso.**

JUMPER

Tono di conferma chiamata.

	Tono conferma di chiamata abilitato volume alto
	Tono conferma di chiamata abilitato volume basso
	Tono conferma di chiamata disabilitato

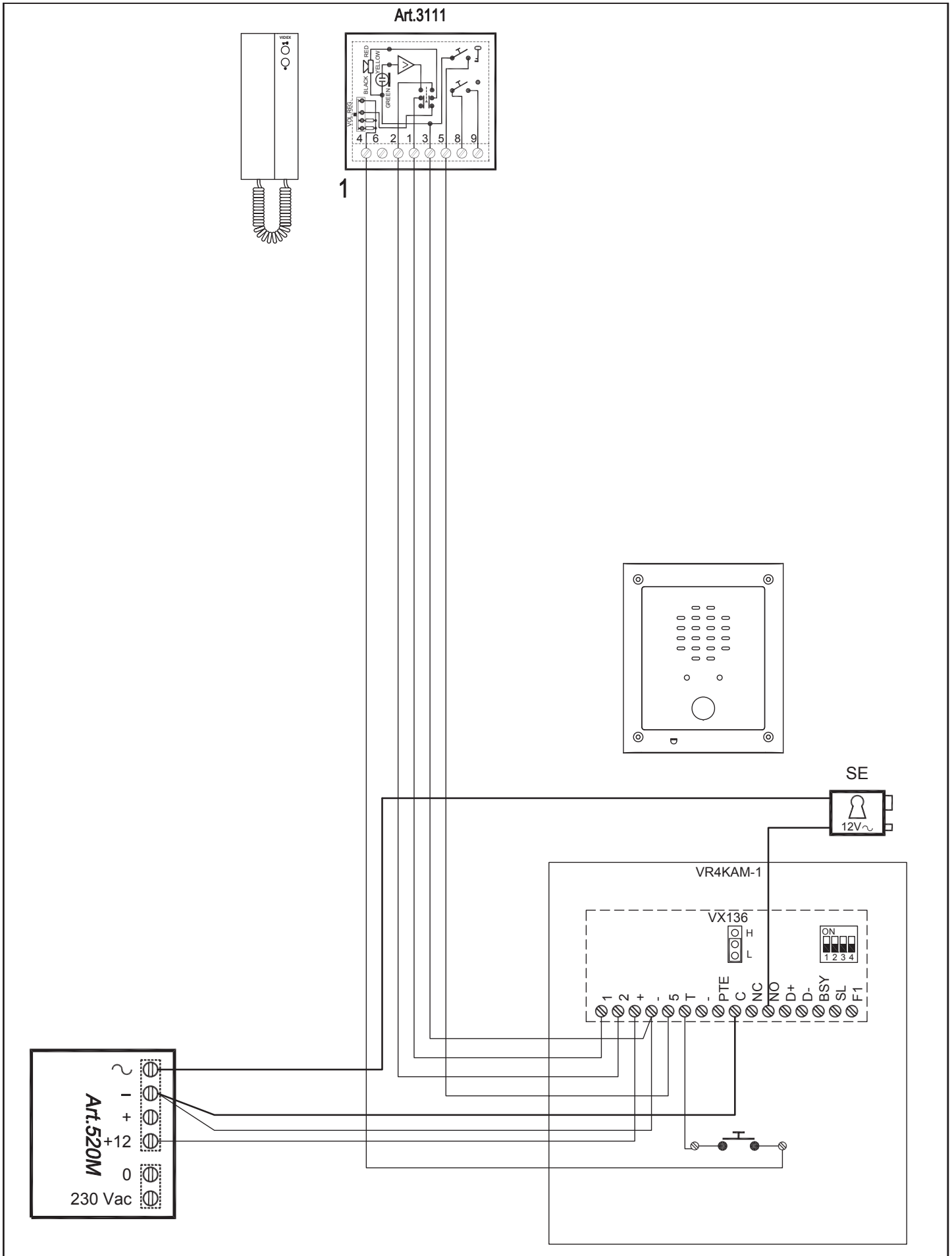
Nota: se il tono di conferma della chiamata è abilitato, anche l'apertura della porta viene confermata da un tono.

SEGNALI MORSETTIERA DI CONNESSIONE

1	Ingresso fonia verso lo speaker	
2	Uscita fonia proveniente dal microfono del posto esterno	
+	Ingresso di alimentazione 12Vdc	
–	Ingresso di alimentazione massa 0V	
5	Ingresso attivo basso per comando relè apri-porta	
T	Uscita nota elettronica di chiamata (per comune pulsanti)	
–	Uscita massa 0V per pulsante "push to exit"	
PTE	Ingresso attivo basso per attivazione relè apri-porta tramite pulsante "push to exit" (premi per uscire)	
C	Relè apri-porta contatto comune	**3 Amp AC/DC 24V max**
NC	Relè apri-porta contatto normalmente chiuso	
NO	Relè apri-porta contatto normalmente aperto	
D+	Ingresso di alimentazione LED "door open" 12Vdc	
D–	Ingresso di alimentazione LED "door open" massa 0V	
BSY	Ingresso/Uscita segnale di occupato per sistemi ad ingresso multiplo (Normalmente alto 12V, 0V se occupato)	
SL	Uscita attivo bassa (open collector in stand by, 0V durante la chiamata fino a fine conversazione)	
F1	Uscita attivo bassa (open collector in stand by, 0V durante la chiamata fino a fine conversazione)	

SPECIFICHE TECNICHE

Tensione d'alimentazione: 12Vdc
Assorbimento: Stand-by: 25mA
Durante la chiamata: 150mA
Durante la conversazione: 70mA
Temperatura di lavoro: -20 +60 °C



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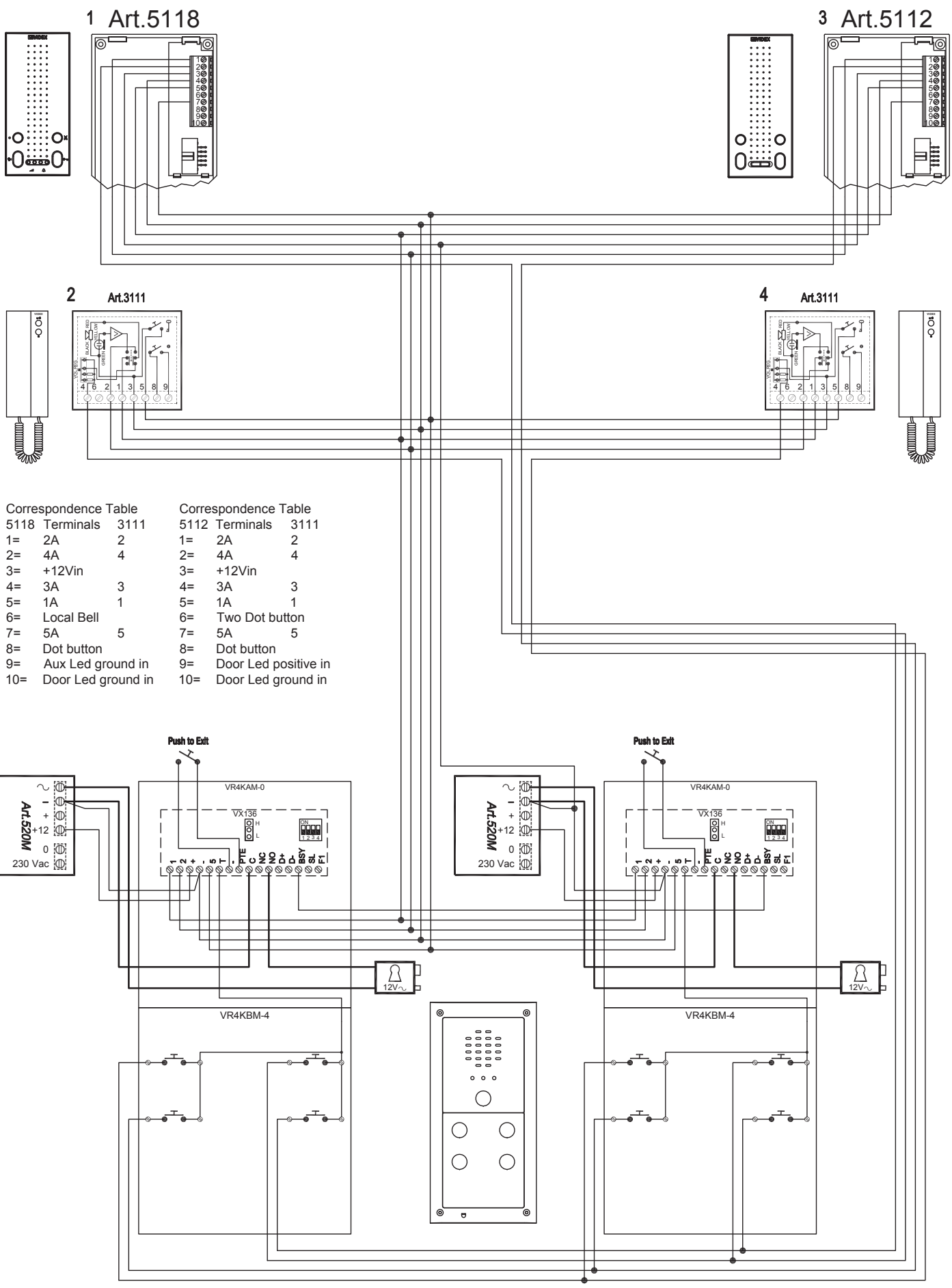
Titolo: .		Data modifica: 14/09/2016	
Videx Electronics S.p.A. Via del Lavoro, 1 - 63846 Monte Giberto (FM) Phone: +39 0734 631669 - Fax +39 0734 631669 www.videx.it - info@videx.it	Notes: . Note: .	Autore: Marco Rongoni	
		Cod.File: vr4kau-001.dwg	



Correspondence Table

5118	Terminals	3111
1=	2A	2
2=	4A	4
3=	+12Vin	
4=	3A	3
5=	1A	1
6=	Local Bell	
7=	5A	5
8=	Dot button	
9=	Aux Led ground in	
10=	Door Led ground in	

Correspondence Table

5112	Terminals	3111
1=	2A	2
2=	4A	4
3=	+12Vin	
4=	3A	3
5=	1A	1
6=	Two Dot button	
7=	5A	5
8=	Dot button	
9=	Door Led positive in	
10=	Door Led ground in	

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Titolo: .		Data modifica: 23/01/2017	
Videx Electronics S.p.A. Via del Lavoro, 1 - 63846 Monte Giberto (FM) Phone: +39 0734 631669 - Fax +39 0734 631669 www.videx.it - info@videx.it	Notes: . Note: .	Autore: Marco Rongoni	
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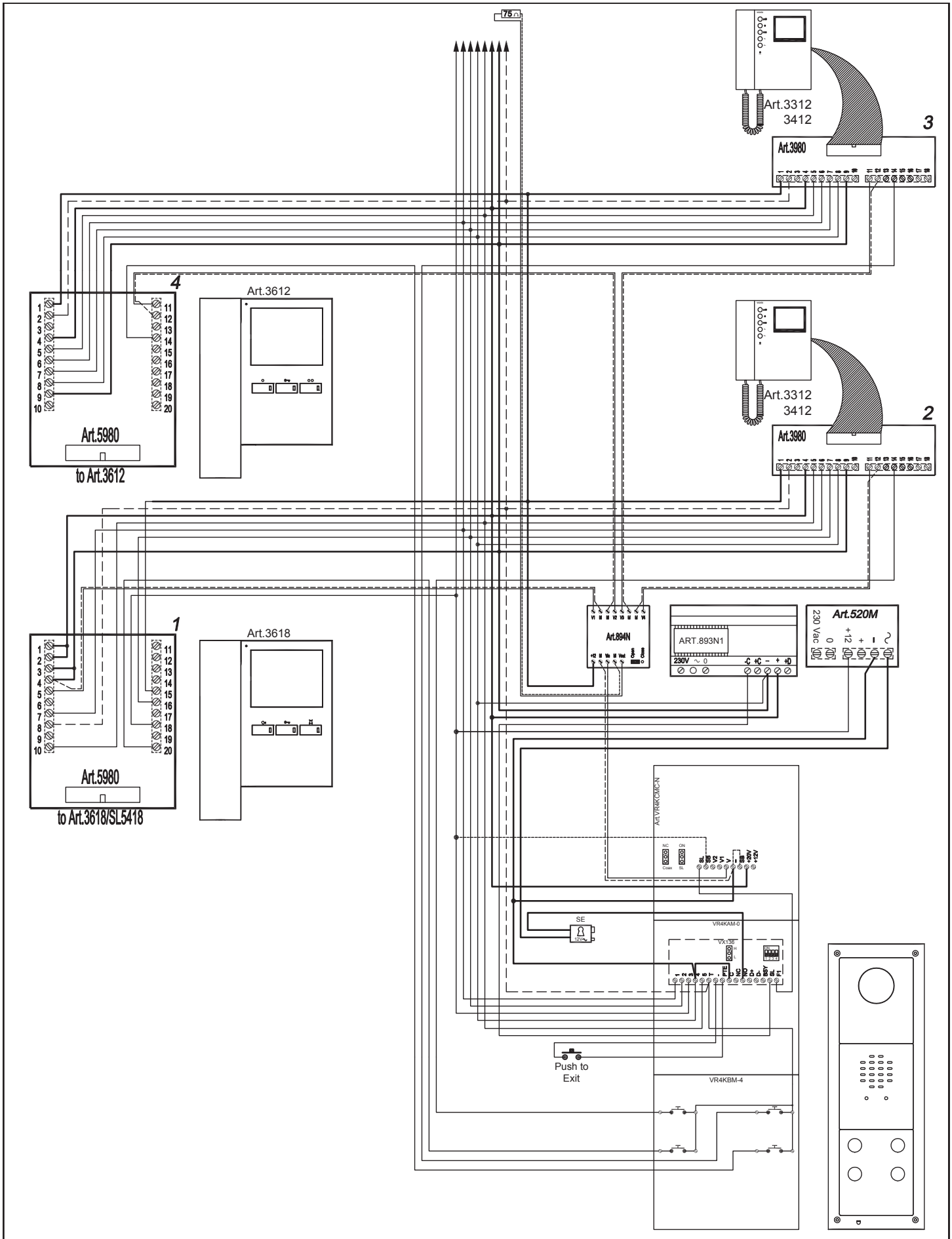

Title: "n" users 1 entrance video door entry system using coax cable		Data creazione: 14/09/2016	Foglio 1 / 1
Titolo: Sistema videocitofonico ad 1 ingresso per "n" utenti con segnale video coassiale		Data modifica: 14/09/2016	
Videx Electronics S.p.A. Via del Lavoro, 1 - 63846 Monte Giberto (FM) Phone: +39 0734 631669 - Fax +39 0734 631669 www.videx.it - info@videx.it	Notes: .	Autore: Marco Rongoni	
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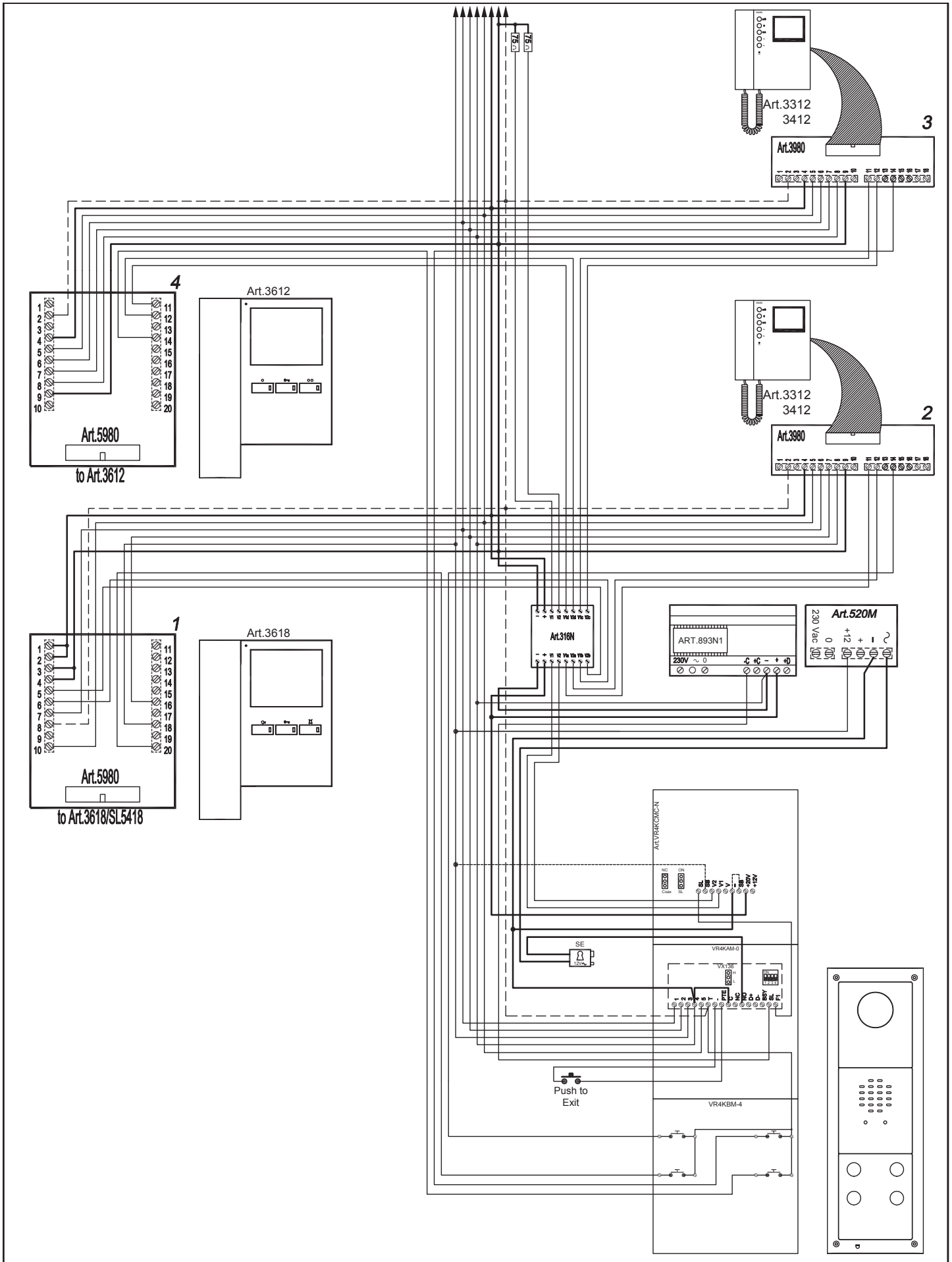

Title: "n" users 1 entrance video door entry system using balanced video signal		Data creazione: 14/09/2016	Foglio 1 / 1
Titolo: Sistema videocitofonico ad 1 ingresso per "n" utenti con segnale video bilanciato		Data modifica: 14/09/2016	
Videx Electronics S.p.A. Via del Lavoro 1, 63020 Monte Giberto (AP) Phone: +39 0734 631669 - Fax +39 0734 631669 www.videx.it - info@videx.it	Notes: .	Autore: Marco Rongoni	
	Note: .	Cod.File: vr4kvd001b_a.dwg	

ENG DISPOSAL

In accordance with the Legislative Decree no. 49 of 14 March 2014 "Implementation of the Directive 2012/19/EU on waste electrical and electronic equipment (WEEE)".
The crossed-out bin symbol on the equipment or on the packaging indicates that when the product reaches the end of its lifetime, it must be collected separately from mixed municipal waste. The user must, therefore, dispose of the equipment at the end of its lifetime in the suitable waste collection centres or bring it to the retailer during the purchase of a new equipment of equivalent type at the ratio of one-to-one. Furthermore, the user is allowed to dispose of the WEEEs of very small size (domestic appliances without any external dimension exceeding 25 cm (9.84 inches) for free to the retailers, without any purchase obligation. The correct waste disposal of the WEEEs contributes to their reuse, recycling and recovery and avoids potential negative effects on the environment and human health due to the possible presence of dangerous substances within them.

ITA SMALTIMENTO

Ai sensi del Decreto Legislativo 14 marzo 2014, n° 49 "Attuazione della direttiva 2012/19/UE sui rifiuti di apparecchiature elettriche ed elettroniche (RAEE)".
Il simbolo del cassonetto barrato riportato sull'apparecchiatura o sulla sua confezione indica che il prodotto alla fine della propria vita utile deve essere raccolto separatamente dagli altri rifiuti urbani misti. L'utente dovrà, pertanto, conferire l'apparecchiatura giunta a fine vita presso gli idonei centri di raccolta differenziata oppure riconsegnarla al rivenditore al momento dell'acquisto di una nuova apparecchiatura di tipo equivalente, in ragione di uno a uno. L'utente ha, inoltre, la possibilità di conferire gratuitamente presso i distributori, senza alcun obbligo di acquisto, per i RAEE di piccolissime dimensioni (per le apparecchiature di tipo domestico con nessuna dimensione esterna superiore a 25 cm).
L'adeguata raccolta differenziata dei RAEE contribuisce al loro riutilizzo, riciclaggio e recupero ed evita potenziali effetti negativi sull'ambiente e sulla salute umana dovuti alla eventuale presenza di sostanze pericolose al loro interno.

FRA ÉLIMINATION

Conformément au décret législatif n ° 49 du 14 mars 2014 relatif à l' « Application de la directive 2012/19 / UE relative aux déchets d'équipements électriques et électroniques (DEEE) ».
Le symbole de la poubelle barrée sur l'équipement ou sur son emballage indique que le produit en fin de vie utile doit être collecté séparément des autres déchets municipaux en mélange. L'utilisateur doit donc remettre l'équipement en fin de vie aux centres de collecte appropriés ou le restituer au revendeur lors de l'achat d'un nouveau type d'équipement équivalent, dans le rapport de un à un. De plus, l'utilisateur a la possibilité de conférer gratuitement aux distributeurs, sans aucune obligation d'achat, de très petits DEEE (pour les appareils ménagers sans dimensions extérieures supérieures à 25 cm).
La collecte séparée adéquate des DEEE contribue à leur réutilisation, leur recyclage et leur valorisation et évite les éventuels effets négatifs sur l'environnement et la santé humaine en raison de la présence possible de substances dangereuses dans ceux-ci.

SPA ELIMINACIÓN

De conformidad con el Decreto legislativo n. 49 de 14 de marzo 2014 "Aplicación de la Directiva 2012/19/UE relativa a residuos de aparatos eléctricos y electrónicos (RAEE)".
El símbolo del contenedor tachado indicado sobre los aparatos o sobre los embalajes señala que el producto al final de su vida útil debe ser recogido separadamente de otros residuos municipales mezclados. Por tanto, el usuario deberà conferir los aparatos al final de su vida útil en los apropriados centros de recogida selectiva o devolverlos al revendedor al momento de la compra de nuevos aparatos equivalentes, en una relación de uno a uno. Además, el usuario tiene la posibilidad de entregar sin cargo a los distribuidores, sin ninguna obligación de compra, los RAEEs muy pequeños (para electrodomésticos sin dimensiones externas superiores a 25 cm).
La recogida selectiva apropriada de los RAEEs contribuye a su reutilización, reciclaje y valorización y evita potenciales impactos negativos sobre el medio ambiente y la salud humana debidos a la possible presencia de substancias peligrosas dentro de ellos.

NLD VERWIJDERING

In overeenstemming met het Wetsbesluit nr. 49 van 14 maart 2015 "Implementatie van de Richtlijn 2012/19/EU inzake afgedankte elektrische en elektronische apparaten (AEEA)".
Het doorgekruiste vuilnisbaksymbool op het apparaat of de verpakking geeft aan dat het product aan het einde van zijn levensduur niet samen met het gewone huisvuil weggegooid mag worden. De gebruiker moet het apparaat aan het einde van zijn levensduur inleveren bij een gepast inzamelpunt of de winkel waar hij een nieuw apparaat van een gelijksoortig type zal kopen. De gebruiker kan tevens AEEA's van een zeer klein formaat (huishoudapparaten met een buitenafmeting kleiner dan 25 cm (9,84 inch)) gratis en zonder enige aankoopverplichting bij handelaars inleveren.
Een juiste verwijdering van AEEA's draagt bij tot hergebruik, recycling en terugwinning, en voorkomt potentiële negatieve effecten op het milieu en de menselijke gezondheid door de mogelijke aanwezigheid van gevaarlijke stoffen.

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CE

The product is CE marked demonstrating its conformity and is for distribution within all member states of the EU with no restrictions. This product follows the provisions of the European Directives 2014/30/EU (EMC); 2014/35/EU (LVD); 2011/65/EU (RoHS): CE marking 93/68/EEC.

Il prodotto è marchiato CE a dimostrazione della sua conformità e può essere distribuito liberamente all'interno dei paesi membri dell'Unione Europea UE. Questo prodotto è conforme alle direttive Europee: 2014/30/UE (EMC); 2014/35/UE (LVD); 2011/65/UE (RoHS): marcatura CE 93/68/EEC.

Le produit est marqué CE à preuve de sa conformité et peut être distribué librement à l'intérieur des pays membres de l'union européenne EU.
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El producto lleva la marca CE que demuestra su conformidad y puede ser distribuido en todos los estados miembros de la unión europea UE.
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يحمل المنتَج علامة التوافق الأوروبِّي CE لإظهار توافقه مع المواصفات ذات الصلة وإمكانية توزيعه في كافَّة دول الاتِّحاد الأوروبِّي بدون أيَّة قيود.
يلبِّي هذا المنتَج جميع متطلَّبات التوجيهات الأوروبِّية EU/2014/30 (EMC); 2014/35/EU (LVD); 2011/65/EU (RoHS) –:
علامة المطابقة للمواصفات الأوروبِّية CE 93/68/EEC.

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