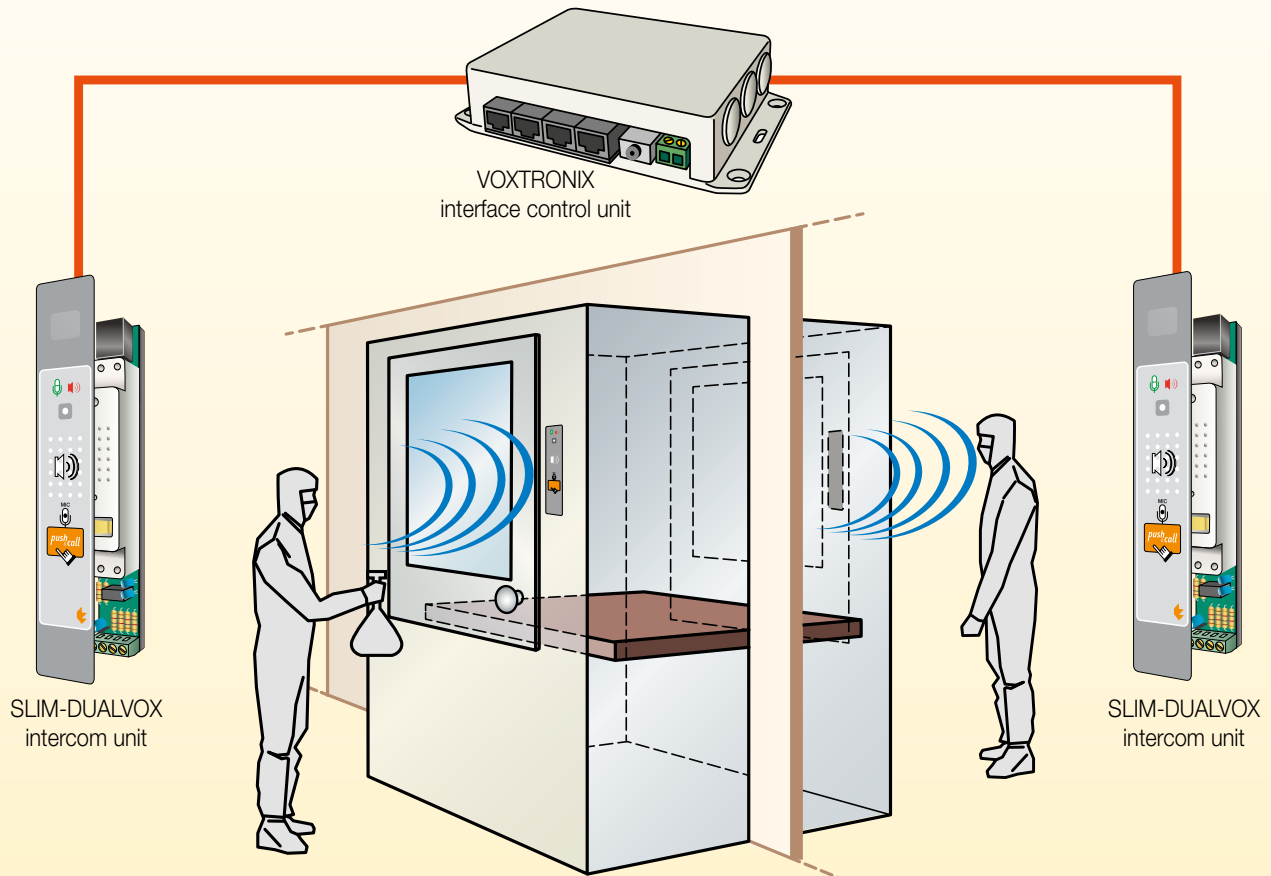


# VOXTRONIX

Two-way intercom system for passbox and clean rooms



with technology

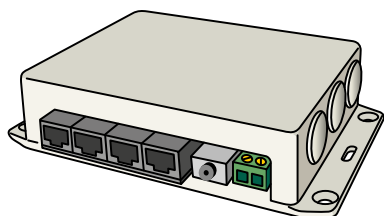
**Click &  
GO**  
ZEROTIME®

with structured and pre-cabled WIREX cables,  
fitted with 8-pole RJ45 quick connection plug



**TECNODIMENSIONE**  
security with style





## Microprocessor based **VOXTRONIX** PROFESSIONAL TECNODIMENSIONE INTERCOM CONTROL MODULE

An interface that controls the alternating intercom communications system using "push&call" button. It houses the amplification and volume adjustment circuits; it controls two A and B channels which must be connected to two SLIM-DUALVOX intercoms respectively.

One unit...  
for **3** different needs

**1<sup>st</sup>** Immediate installation ZEROTIME = **Click&Go ZEROTIME**

**2<sup>nd</sup>** It can be instantly programmed thanks to the Jumpers = **MULTISELECT**

**3<sup>rd</sup>** It has a modular configuration that can be expanded in "cascade" for intercom points or multiple of 2...4...8...12 intercom points without limitations = **EXPANDER**

PERFECT FOR INTERCOM COMMUNICATIONS  
OF PASSBOX AND CLEAN ROOMS.

**1<sup>st</sup>** **Click&Go**

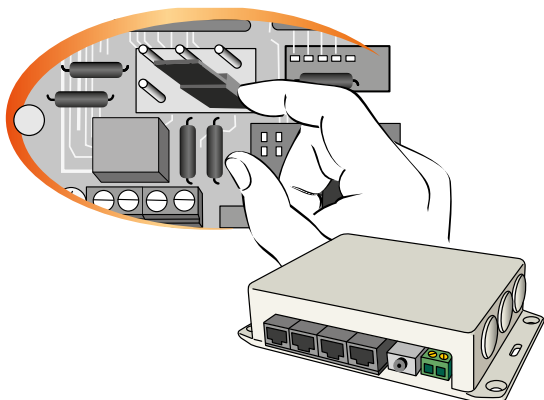


Insert the plug connector...  
snap it in place...  
that's all you need  
for a perfectly working  
system...

**Click&Go!**

**2<sup>nd</sup>**

**MULTISELECT**



Microprocessor-based **VOXTRONIX** interface with two channels, to manage 2 SLIM-DUALVOX intercom units. Tecnodimensione systems can be immediately adapted to all plants, depending on their configuration, both during commissioning and after start-up. As it does not require changes to the module or the installation of new connection lines, it is the ideal solution to meet current and future customers' needs. It is in fact sufficient to use the Jumpers integrated in the module to immediately select the required program. VOXTRONIX can be programmed in several modes because ...

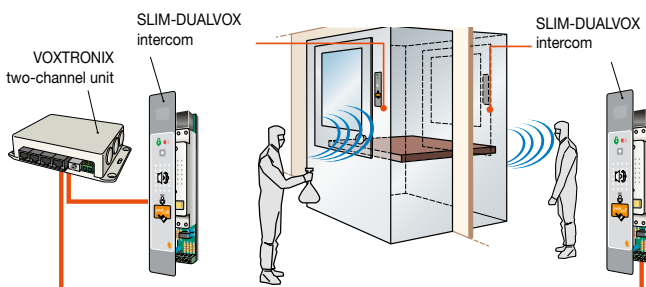
...it's **MULTISELECT!**

**3<sup>rd</sup>** **EXPANDER**

**VOXTRONIX** base configuration

is made up of 1 two-channel "VOXTRONIX" control interface connected to two "SLIM-DUALVOX" intercoms to create the ideal application for Passbox structures or two isolated rooms.

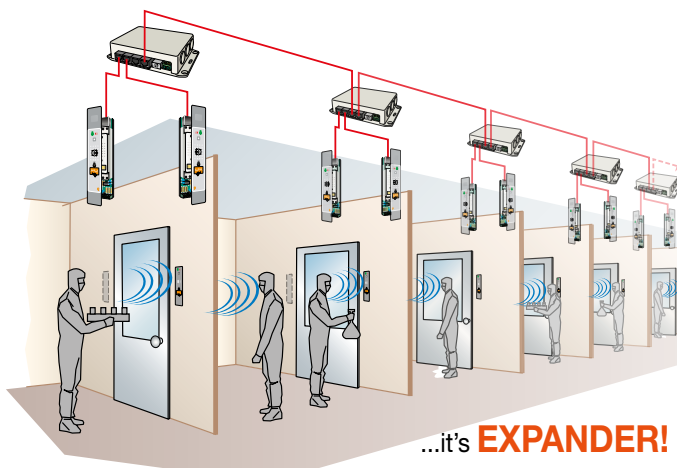
**VOXTRONIX** in basic configuration



**VOXTRONIX** is designed to allow the configuration in "cascade" of multiple communication systems of 2... 4... 8... 12 intercom points without limitations.

By connecting a two channels VOXTRONIX module to the subsequent ones, it is possible to flexibly set-up a multiple intercom system; in this way the communication of any one single point of the system should be listen, contemporarily to all other points and consequently the replays too...

**VOXTRONIX** in multiple configuration



...it's **EXPANDER!**



<p><b>Two-channel VOXTRONIX</b> (expandable)</p> <p>145 34 102</p> <p>4 RJ45 - 8 pole female plugs</p> <p>Collegamento istantaneo... <b>Click &amp; GO</b> <b>ZERO TIME</b></p> <p>Screw board for 12 VDC power connection</p> <p>Jack plug-in for additional functions (voice synthesizer, mic, etc.)</p> <p>For connections with channel A</p> <p>For connections with channel B</p> <p>For interlink connection with VOXTRONIX or power from control unit PHARMATRONIX</p>	<p><b>INTERCOM CONTROL MODULE</b></p> <p><b>VOXTRONIX</b></p> <p>with RJ45-8 pole quick plug for easy installation and quick wiring</p> <p>An interface that controls the alternating intercom communications system using "push&amp;call" button. It houses the amplification and volume adjustment circuits; it controls two A and B channels which must be connected to two SLIM-DUALVOX intercoms respectively.</p> <p>"Multiselect", multi-programmable version. Furthermore, the "Expander" version, which can be expanded connecting 2 or more VOXTRONIX modules in cascade to immediately create multiple intercom systems for 2, 4, 6, 8 and more rooms.</p> <p><b>Ideal for clean rooms.</b></p> <p><b>2-channel models (12V DC power)</b></p> <p>Two-channel VOXTRONIX intercom module with microprocessor to control 2 SLIM-DUALVOX (see page 28) intercom used by 2 people in two different rooms in tandem, in the base configuration. With "Multiselect" multi-programmable logic. "Expander" type can be expanded in "Multi-voxtronix" configuration for multiple rooms with several people in different points for alternated communications in a single phone conference (see selectable programs and configuration example below). "CLICK &amp; GO" technology with RJ45 8-pole female quick plugs. Compact shock-proof plastic case (dimensions 145 x 102 x 34 mm). With 2 screw terminals for 12 VDC connection to a separate power supply (or directly to the PHARMATRONIX unit).</p>	<p><b>Export Product-list</b> January 2018</p> <p><b>TECNODIMENSIONE®</b></p> <table border="1"> <thead> <tr> <th>Ordering information</th><th></th><th>Q.ty</th></tr> <tr> <th>MODELS</th><th></th><th>N°</th></tr> </thead> <tbody> <tr> <td>034968H2W2U*</td><td></td><td></td></tr> </tbody> </table> <p>* Module only. Other components are needed for operation, see page 29 and page 30.</p>	Ordering information		Q.ty	MODELS		N°	034968H2W2U*		
Ordering information		Q.ty									
MODELS		N°									
034968H2W2U*											

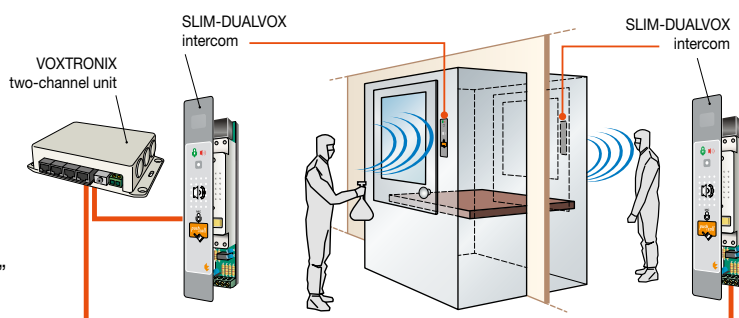
**SELECTABLE PROGRAMS (with jumpers):** Sound options: on/off warning beep.  
Function options: "courtesy" function = automatic communication opening up to 6 seconds or "standard" function = open communication for as long as "push&call" button is held down.

**IMPLEMENTATIONS:** Increase sound power by additional external speaker to be connected to the SLIM-DUALVOX unit (see specific documentation). Centralised female mic jack (i.e.: star) for general and simultaneous communications to all intercoms in the various separate rooms (or alternating) for connections with additional "voice synthesizers" to automatically send pre-recorded messages and warnings (on request).

## CONFIGURATION EXAMPLES

**Fig. 1 - BASE configuration for two intercom points**

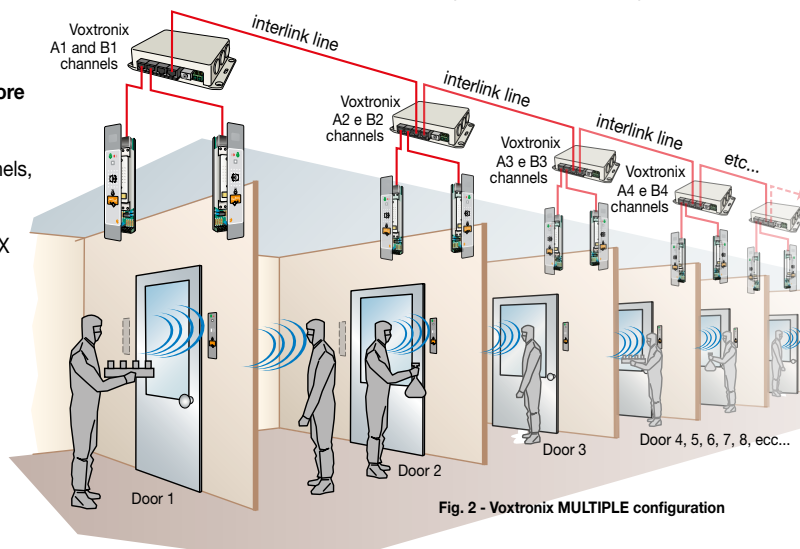
The Tecnodimensione base configuration intercom system is made up of 1 two-channel "VOXTRONIX" control interface connected to two "SLIM-DUALVOX" intercoms to create the ideal application for Passbox structures or two isolated rooms. In fact, two operators in two different rooms can easily communicate reciprocal warnings and voice confirmations with this connection (alternating communications by pressing the "push&call" button).



**Fig. 1 - Voxtronix BASE configuration**




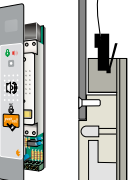
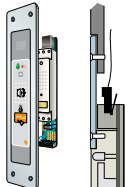
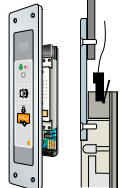
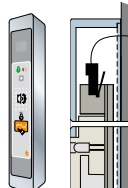
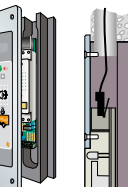
**Fig. 2 - "MULTI-VOXTRONIX" configuration for 4, 6, 8 or more intercom points**

The Tecnodimensione "VOXTRONIX" system is already set to become a "multiple" intercom system for more than two channels, even 4, 6, 8 or more. Essentially, the "Multi-voxtronix" multiple system is easy to create by interconnecting identical "sister" VOXTRONIX unites to the first two-channel "base" VOXTRONIX interface in cascade via interlink. With this configuration, "Multi-voxtronix" allows several people in remote points to list or communicate in alternation in a single phone conference with fast service communications. In this way the communication of any one single point of the system should be listen, contemporarily to all other points and consequently the replays too.



**Fig. 2 - Voxtronix MULTIPLE configuration**



 <b>SLIM-DUALVOX INTERCOM UNIT</b> "Push&call" technology for VOXTRONIX intercom system		<b>Export Product-list</b> January 2018  <b>TECNODIMENSIONE®</b>	
SLIM-DUALVOX speak-listen with: - with 1 RJ45-8 pole female quick fit plug for necessary connections with VOXTRONIX module (see page 27). - 1 bifunctional red/green led to indicate listening/communication status. - 1 "push&call" button to activate the communication. - 1 miniature speaker + microphone that work in alternation using the "push&call" button. - Screw terminal board for remote connection to additional power speaker (for noisy rooms). - 12 Vdc power supply. - 1 anti-acid adhesive cover in polycarbonate, 180 x 30 mm, R2,5 thickness 0.3 mm with 7 colour international symbols; with 1 windows for the personalised indication of commands.		ordering information 	Q.ty
Models for 12 Vdc/70mA power supply		MODELS	N°
<b>Assembly type 1</b> <b>fully aligned concealed</b> for recess-mounting without flange on the same plane of the door frame panel * 	SLIM-DUALVOX speak-listen unit type 1 "Click & Go" technology with fully aligned concealed for recess-mounting on the same plane of the door frame panel without flange. Ideal to achieve a surface (without roughness) that is easy to clean. Supplied with front panel and gap G for sections with a thickness of 1.6 mm. Complete with self-adhesive cover designed to be applied after the final installation of the system. <b>* In this case it is advisable to prepare the recess during the door frame machining.</b>	034961CW2U*	
	Same with front panel and gap G for sections with a thickness of 3 mm.	034961CW2U3*	
<b>Assembly type 2</b> <b>fully aligned at milling</b> for recess-mounting with front flange on the same plane of the panel surface ♦ 	SLIM-DUALVOX speak-listen unit type 2 "Click & Go" technology for aligned recessed flush fitting in bottom of panel using front flange (e.g. To mount on wall panel next to the door frame on the post where no chasing can be carried out). Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50 mm, thickness 2.5 mm for recess-mounting on the same plane of the panel surface for aligned recessed flush fitting in bottom of plane using front flange. Cover pre-assembled and fixed into the flange niche. <b>♦ In this case, it is advisable to prepare sunk milling during the panel machining phase.</b>	034962CW2U*	
<b>Assembly type 3</b> <b>for conventional flush mounting</b> with front flange overlapping door frame 	SLIM-DUALVOX speak-listen unit type 3 "Click & Go" technology for traditional recessed fitting using flange. Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50mm, thickness 4 mm for flush mounting. Cover pre-assembled and fixed into the flange niche. <b>Mounting can be carried out "on site", directly onto the installed door frame.</b>	034963CW2U*	
<b>Assembly type 4</b> <b>for surface mounting</b> with using housing 	SLIM-DUALVOX speak-listen unit type 4 "Click & Go" technology for mounting placed on surface using housing. With extra-strong protective housing, made in anodized silver finish aluminium (35 x 25 x 215 mm). Self-adhesive cover in polycarbonate, provided separately and designed to be used as final cover to hide the 4 fixing screws of the housing on the door frame. <b>Useful when you wish to avoid recess-mounting or cuts on the door frame.</b>	034964CW2U*	
<b>Assembly type 5</b> <b>for recessed wall-mounting</b> with flange and wall-mounting receptacle 	SLIM-DUALVOX speak-listen unit type 5 "Click & Go" technology for recessed assembly using flange and wall box. Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50 mm, thickness 4 mm, to be fixed to the housing by placing on wall surface. Self-adhesive cover in polycarbonate pre-assembled and fixed into the flange niche. Also fitted with wall box with "wings" for rapid anchoring (65 x 30 x 230 mm), in plastic taken from single block to be assembled "in a niche" in the wall to house the body of the speak-listen unit. <b>Wall niche and cable channel to be prepared beforehand.</b>	034965CW2U*	
Noise-proof power <b>SPEAKER</b> (Ø 150 mm) for noisy environments to connect to the screw-on terminal of the SLIM-DUALVOX listen-speak unit.		034969MST4 (opzionale)	

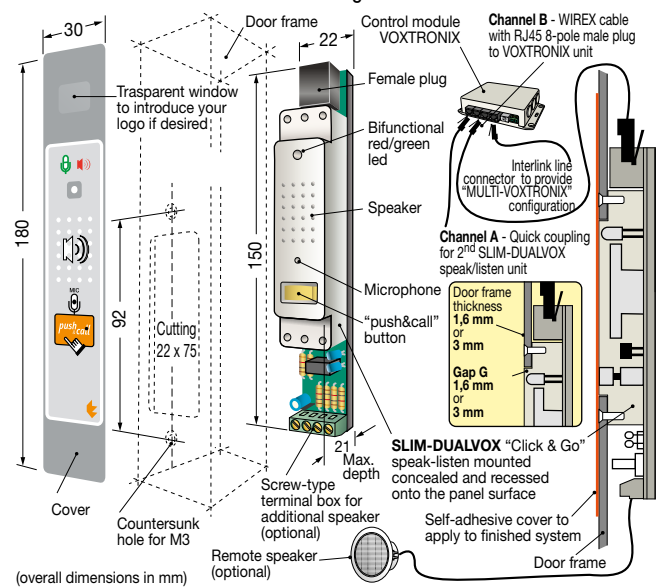
**Special configurations available at extra charge:** Cover with your logo and/or customized.

For sizes, measurements and details of chasing, application examples and connection diagrams, see page 29.

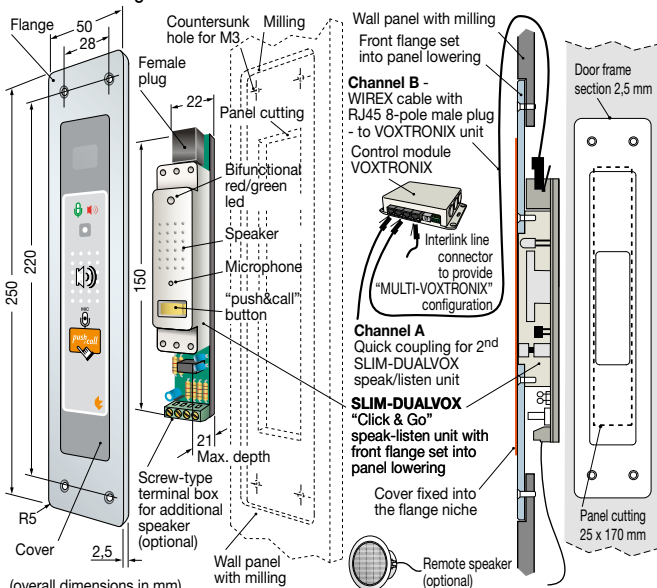


# SLIM-DUALVOX INTERCOM UNIT - sizes, application examples and connection diagram

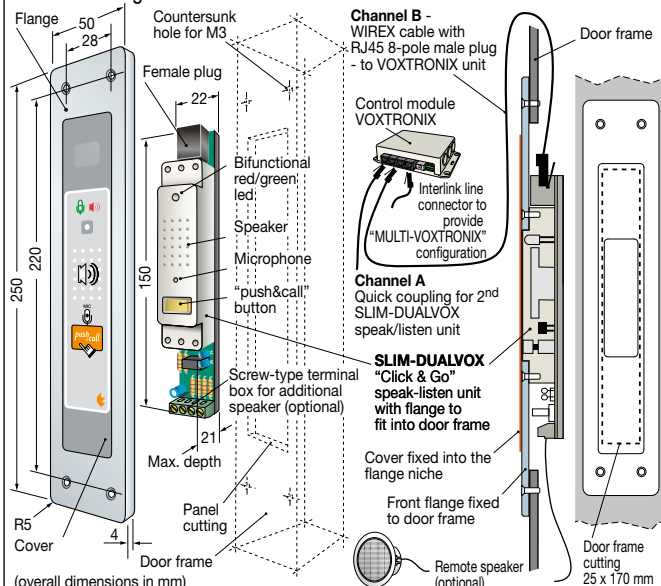
## Assembly type 1 total alignment, lock recessed into surface without flange



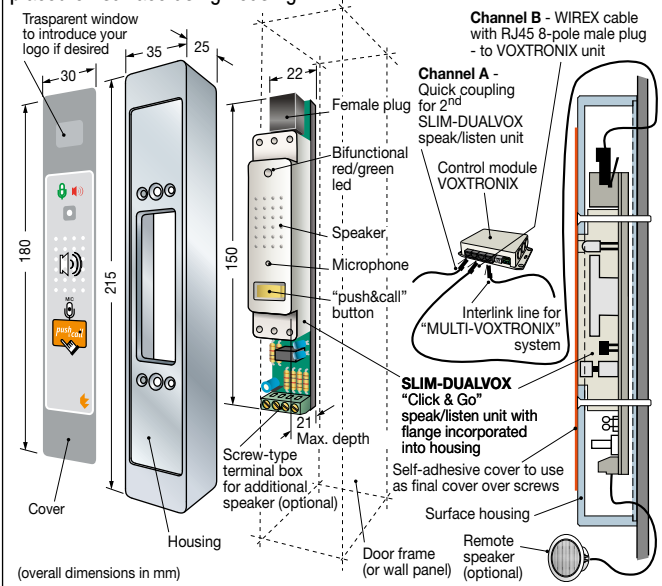
## Assembly type 2 alignment at bottom with front flange "flush with surface" at bottom



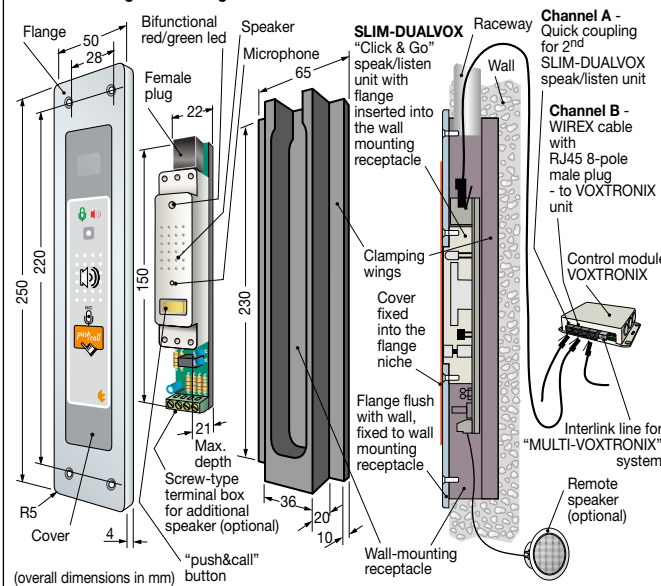
## Assembly type 3 traditional fitting with front flange over the lock



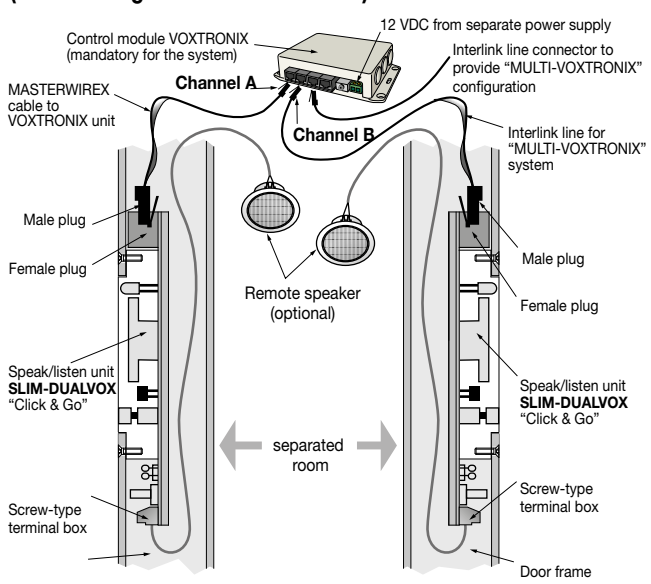
## Assembly type 4 for mounting placed on surface using housing



## Assembly type 5 for recessed wall mounting with flange and wall box




## WIREX FAST CONNECTING CABLES (basic configuration for 2 stations)





# VOXTRONIX

## Basic configuration of the speak-listen intercom system for passbox and clean rooms, with immediate connection

with technology 

with structured and pre-cabled WIREX cables, fitted with 8 pole RJ45 quick connection plug

**Export Product-list**  
January 2018



**TECNODIMENSIONE®**

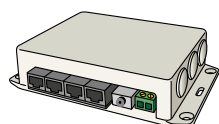
ordering  
information 

Q.ty

**MODELS**

**N°**

### Basic kit configuration for two type-1 speak-listen stations for assembly in BASIC configuration (see fig. 1 page 27)



1 module  
**Voxtronix**



2 cables  
**MASTERWIREX**  
standard length 10 mt.  
(other lengths on request)

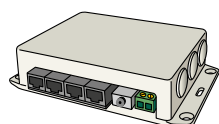


2 listen-talk units  
**SLIM-DUALVOX type 1**

VOXTRONIX  
MASTERWIREX  
MASTERWIREX  
SLIM-DUALVOX  
SLIM-DUALVOX  
**COMPLETE  
BASIC KIT  
type 1**

034968H2W2U  
034928WD  
034928WD  
034961CW2U  
034961CW2U  
(NB: unit with gap  
G 1,6 mm, for gap  
G 3 mm see  
page 28)

### Basic kit configuration for two type-2 speak-listen stations for assembly in BASIC configuration (see fig. 1 page 27)



1 module  
**Voxtronix**



2 cables  
**MASTERWIREX**  
standard length 10 mt.  
(other lengths on request)

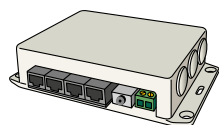


2 listen-talk units  
**SLIM-DUALVOX type 2**

VOXTRONIX  
MASTERWIREX  
MASTERWIREX  
SLIM-DUALVOX  
SLIM-DUALVOX  
**COMPLETE  
BASIC KIT  
type 2**

034968H2W2U  
034928WD  
034928WD  
034962CW2U  
034962CW2U

### Basic kit configuration for two type-3 speak-listen stations for assembly in BASIC configuration (see fig. 1 page 27)



1 module  
**Voxtronix**



2 cables  
**MASTERWIREX**  
standard length 10 mt.  
(other lengths on request)

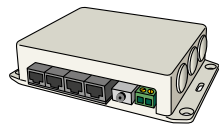


2 listen-talk units  
**SLIM-DUALVOX type 3**

VOXTRONIX  
MASTERWIREX  
MASTERWIREX  
SLIM-DUALVOX  
SLIM-DUALVOX  
**COMPLETE  
BASIC KIT  
type 3**

034968H2W2U  
034928WD  
034928WD  
034963CW2U  
034963CW2U

### Basic kit configuration for two type-4 speak-listen stations for assembly in BASIC configuration (see fig. 1 page 27)



1 module  
**Voxtronix**



2 cables  
**MASTERWIREX**  
standard length 10 mt.  
(other lengths on request)

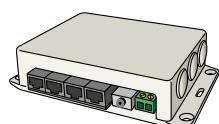


2 listen-talk units  
**SLIM-DUALVOX type 4**

VOXTRONIX  
MASTERWIREX  
MASTERWIREX  
SLIM-DUALVOX  
SLIM-DUALVOX  
**COMPLETE  
BASIC KIT  
type 4**

034968H2W2U  
034928WD  
034928WD  
034964CW2U  
034964CW2U

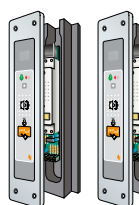
### Basic kit configuration for two type-5 speak-listen stations for assembly in BASIC configuration (see fig. 1 page 27)



1 module  
**Voxtronix**



2 cables  
**MASTERWIREX**  
standard length 10 mt.  
(other lengths on request)



2 listen-talk units  
**SLIM-DUALVOX type 5**

VOXTRONIX  
MASTERWIREX  
MASTERWIREX  
SLIM-DUALVOX  
SLIM-DUALVOX  
**COMPLETE  
BASIC KIT  
type 5**

034968H2W2U  
034928WD  
034928WD  
034965CW2U  
034965CW2U

The MULTIVOXTRONIX configuration with 4, 6, 8 or more speak-listen stations (see fig. 2, page 27) is the sum of the aforesaid BASIC KITS (with 2 stations).