Ultra-slim and super-compact
in a unified & convertible format.
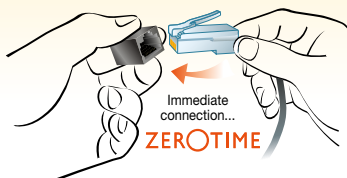
with tecnology

Click & GO ZEROTIME ®

Immediate connection...
ZEROTIME

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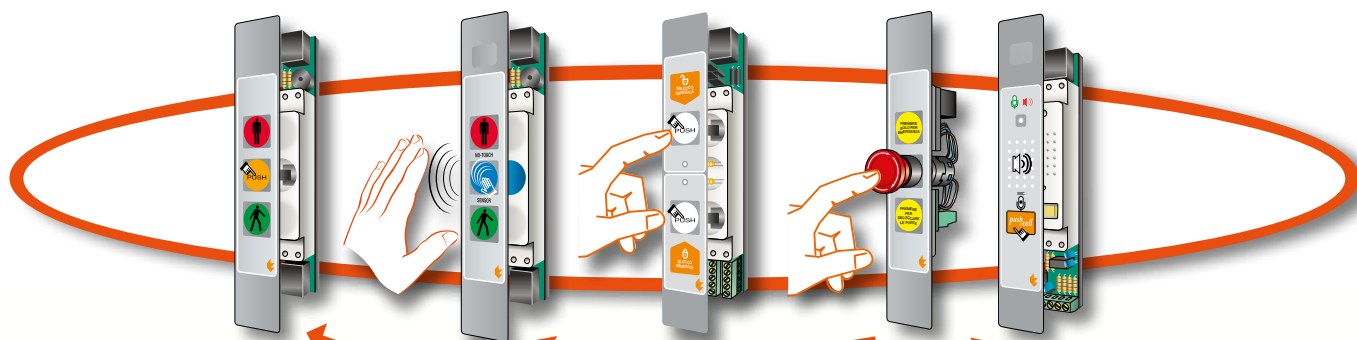**Click&Go!**

SLIM & MODULAR

Stop/go display
SLIM-DUALUX

Stop/go sensorized display
SLIM-DUALUX No-touch

Push-button unit
SLIM-DUALPUSH

Push-button with
"mushroom"
SLIM-HELPYPUSH

Intercom unit
SLIM-DUALVOX

Unified module because....

A full SLIM & MODULAR range
of devices with different functions,
operations and purposes (stop and go
displays, entryphones, keypads, such as
code keypads, badge readers and micro
stop and go display control units of the
same series...) designed and made
keepinga single module of the same size
for all as a base element.
In fact, all the devices have the same
appearance, size and modularity to be
interchangeable and housed in the same
unified chasing of the previous lock.

Convertible because...

Using unified flanges, cases and boxes,
any unified SLIM & MODULAR device
is convertible into 5 different types that
can be installed in any way, next to the
door, based on the assembly needs
found in the field.
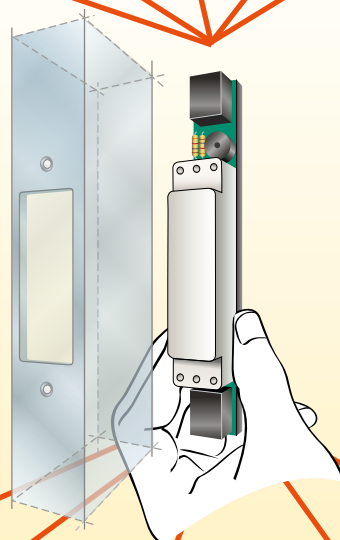
Assembly type
1

**fully aligned
concealed**
for recess-mounting
without flange
on the same plane of
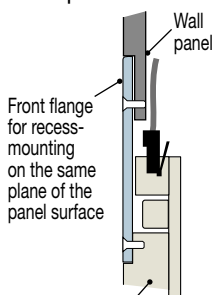the door frame panel
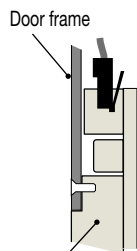
Door frame

Unified body of modular
device recess mounted
set flush into surface
door frame level

Assembly type
2

fully aligned at milling
for recess-mounting
with front flange
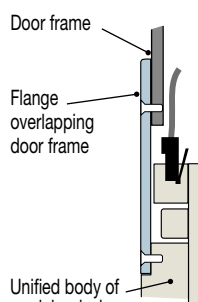on the same plane
of the panel surface

Wall
panel

Front flange
for recess-
mounting
on the same
plane of the
panel surface

Unified body of
modular device
with front flange

Assembly type
3

**for conventional flush
mounting**
with front flange
overlapping door frame

Door frame

Flange
overlapping
door frame

Unified body of
modular device
with conventional
front flange

Assembly type
4

for surface mounting
with using housing

Surface housing

Door frame
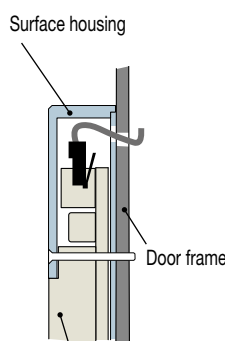
Unified body of
modular device
included in housing

Assembly type
5

for recessed wall-mounting
with flange and wall-mounting
receptacle

Raceway

Wall-mounting
receptacle

Flange
overlapping the
wall and fixed to
wall mounting
receptacle

Unified body
of modular
device with
front flange
and wall
mounting
receptacle

Clamping wings

Wall

VOXTRONIX

Two-way intercom system for passbox and clean rooms

Cabling systems for immediate installation
with structured and pre-cabled WIREX cables,
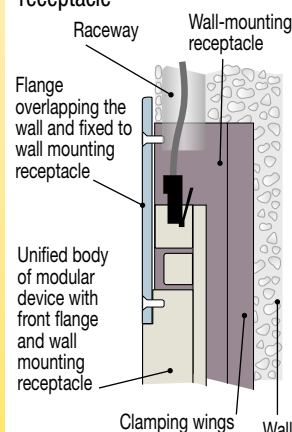### fitted with 8-pole RJ45 quick connection plug
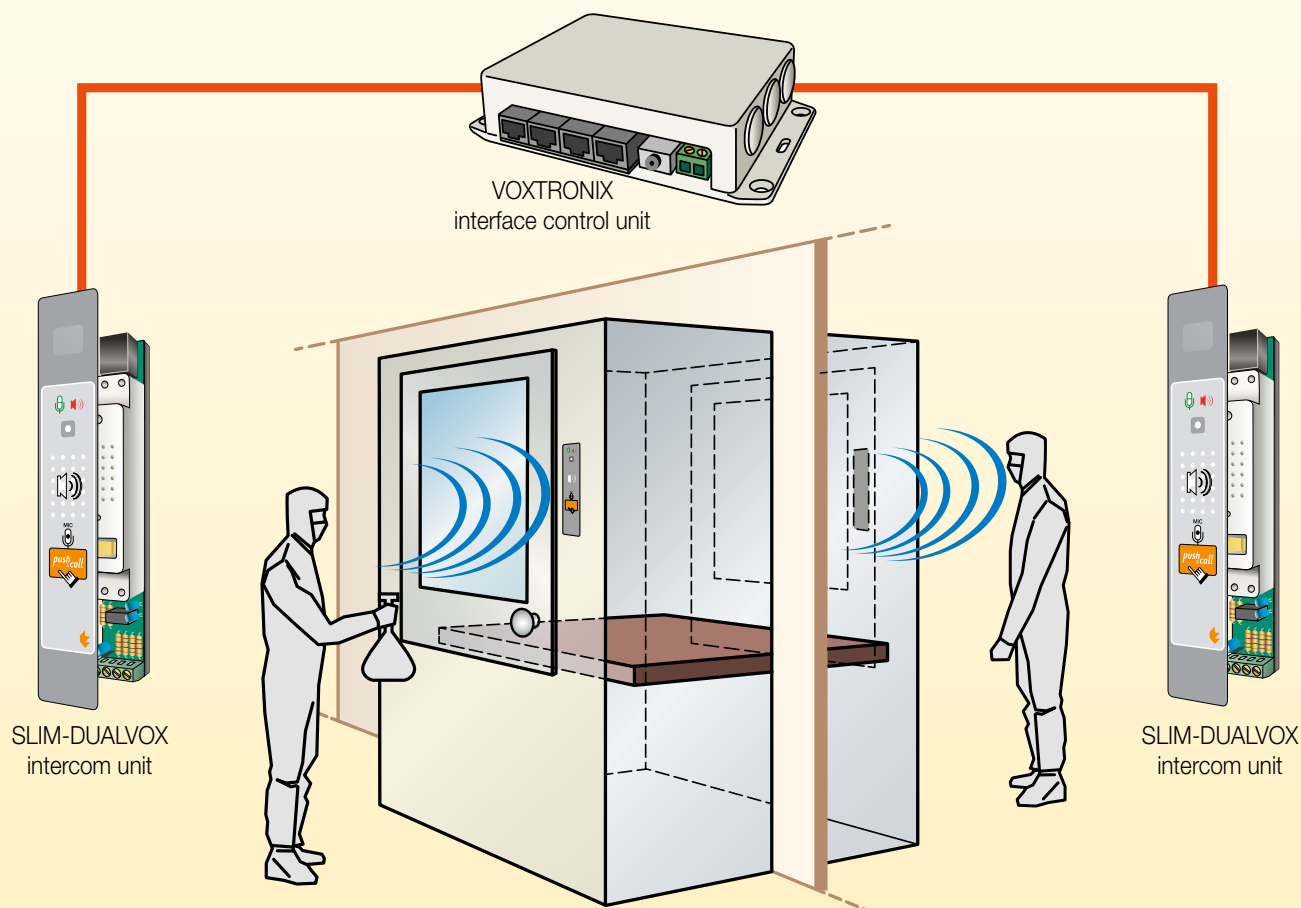
VOXTRONIX
interface control unit

SLIM-DUALVOX
intercom unit

SLIM-DUALVOX
intercom unit

with tecnology

Click&
GO
ZEROTIME ®

Immediate
connection...
ZEROTIME
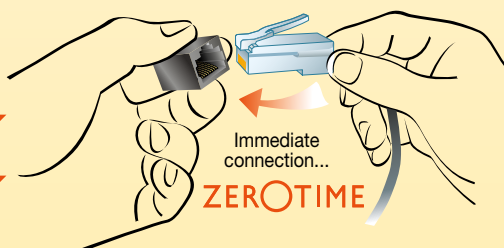
Insert the plug connector...
snap it in place...
that's all you need for
a perfectly working system...
Click&Go!

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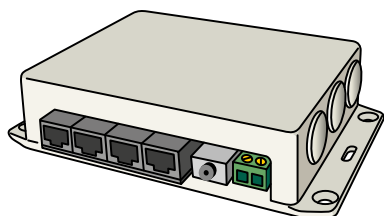
One unit... for *3* different needs

1st Immediate installation ZEROTIME = **Click&Go ZEROTIME**

2nd It can be instantly programmed thanks to the Jumpers = **MULTISELECT**

3rd 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**

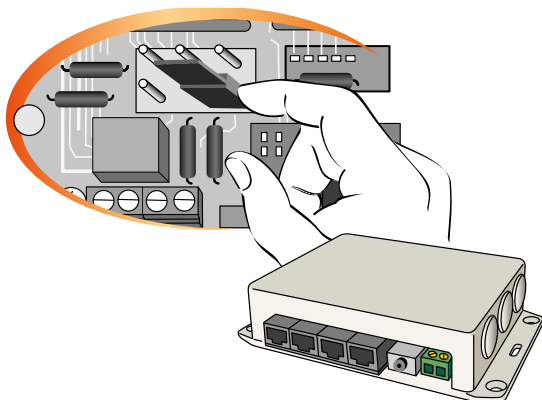### PERFECT FOR INTERCOM COMMUNICATIONS OF PASSBOX AND CLEAN ROOMS.

1st Click & GO

Immediate connection... ZEROTIME

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

Click&Go!

2nd

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!**

3rd 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

SLIM-DUALVOX intercom

VOXTRONIX two-channel unit

SLIM-DUALVOX intercom
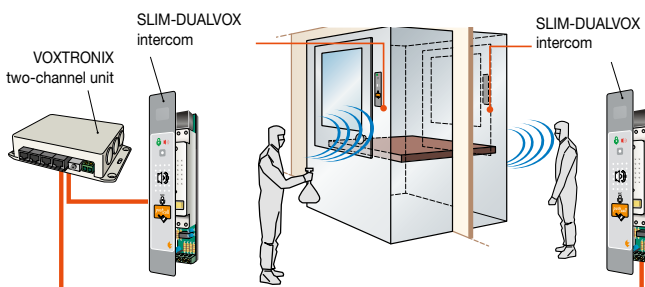
VOXTRONIX is designed to allow the configuration in "cascade" of multiple communication systems
of 2... 4... 8... 12 intercom points without limitations.
By connecting a two channels VOXTRONIX module to the subsequent ones, it is possible to flexibly set-up a multiple intercom system; in this way the communication of any one single point of the system should be listen, contemporarly to all other points and consequently the replays too...

VOXTRONIX in multiple configuration

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

Two-channel VOXTRONIX
(expandable)

145

34

102

4 RJ45 - 8 pole
female plugs

Immediate connection... *Click & GO*

ZEROTIME

For connections
with
channel A

For connections
with
channel B

For interlink connection with
VOXTRONIX or power from
control unit PHARMATRONIX

Screw board
for 12 VDC power
connection

Jack plug-in for
additional
functions (voice
synthesizer, mic.
etc.)

To connect
interlink with other
VOXTRONIX

INTERCOM CONTROL MODULE
VOXTRONIX
with RJ45-8 pole quick plug
for easy installation and quick wiring

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.

Ordering information

	Q.ty
MODELS	**N°**

"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. **Ideal for clean rooms.**

2-channel models (12V DC power)		

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 & 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).

034968H2W2U

***** Module only.
Other components are needed for operation, see page 29 and page 30.

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 applicatio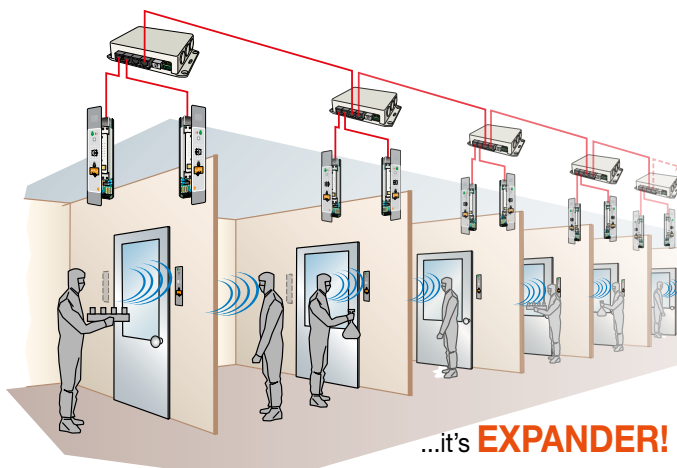n for Passbox structures or two isolated rooms. In fact, two operators in two different rooms can easily communicate reciprocal warnings and voice confirmations with this connection (alternating communications by pressing the "push&call" button).

VOXTRONIX
two-channel unit

SLIM-DUALVOX
intercom

SLIM-DUALVOX
intercom
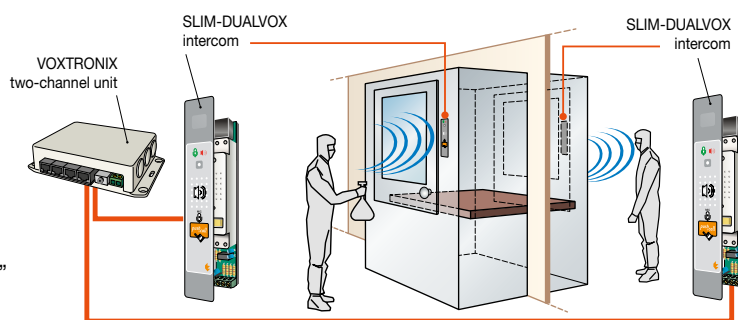
Fig. 1 - Voxtronix BASE configuration

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, contemporary to all other points and consequently the replays too.

Voxtronix
A1 and B1
channels

interlink line

Voxtronix
A2 e B2
channels

interlink line

Voxtronix
A3 e B3
channels

Voxtronix
A4 e B4
channels

interlink line

etc...

Door 1

Door 2

Door 3

Door 4, 5, 6, 7, 8, ecc...
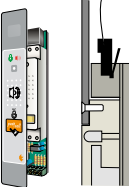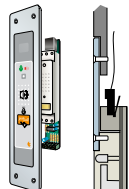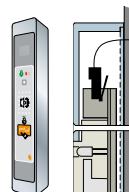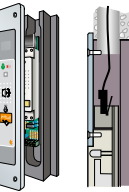
Fig. 2 - Voxtronix MULTIPLE configuration

SLIM-DUALVOX
INTERCOM UNIT
"Push&call" technology for VOXTRONIX intercom system

Export Price-list
January 2024

TECNODIMENSIONE®

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).
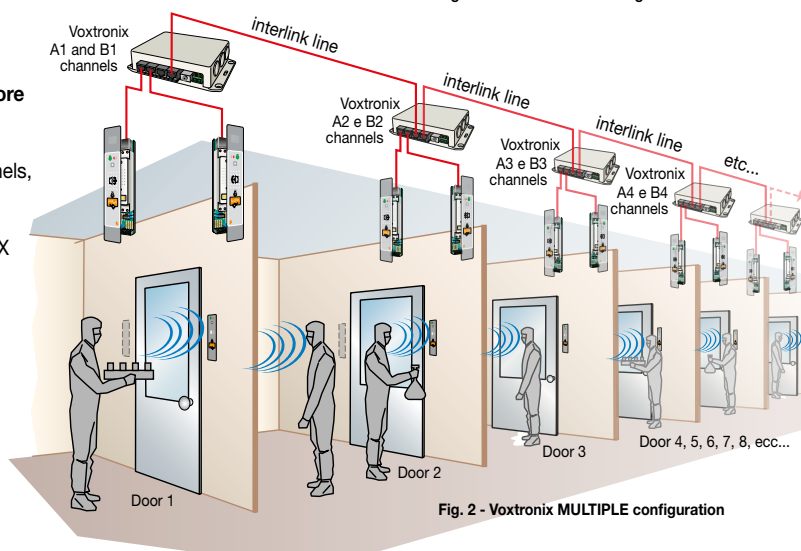- 12 Vdc power supply.
- 1 anti-acid adhesive cover in polycarbonate, 180 x 30 mm, R2,5 thickness 0.3 mm with 7 colour international symbols; with 1 windows for the personalised indication of commands.

	ordering information	Q.ty
Models for 12 Vdc/70mA power supply	**MODELS**	**N°**

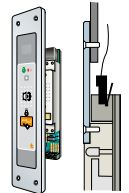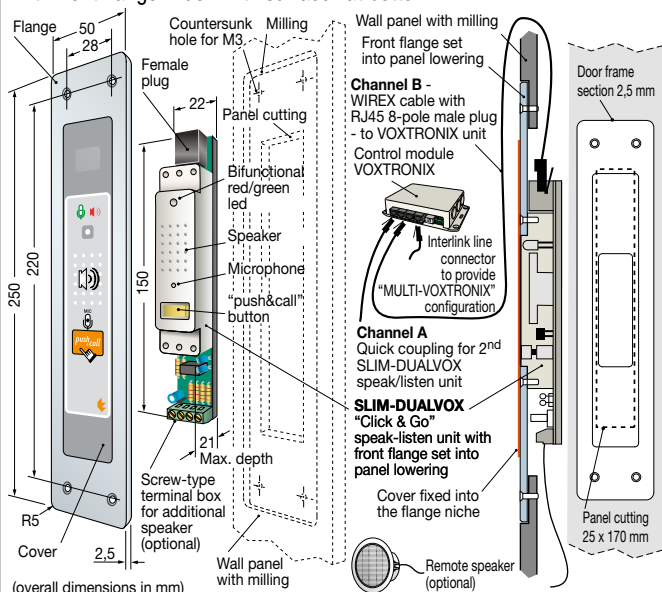|			
Assembly type ① fully aligned concealed for recess-mounting without flange on the same plane of the door frame panel ✱	SLIM-DUALVOX speak-listen unit type 1 "Click & Go" technology with fully aligned concealed for recess-mounting on the same plane of the door frame panel without flange. Ideal to 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. **✱ In this case it is advisable to prepare the recess during the door frame machining.**	**034961CW2U** * Module only. Other components are needed for operation, see page 29 and page 30.	
	Same with front panel and gap G for sections with a thickness of 3 mm.	**034961CW2U3**	
Assembly type ② fully aligned at milling 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. **◆ In this case, it is advisable to prepare sunk milling during the panel machining phase.**	**034962CW2U** * Module only. Other components are needed for operation, see page 29 and page 30..	
Assembly type ③ for conventional flush mounting 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. **Mounting can be carried out "on site", directly onto the installed door frame.**	**034963CW2U** * Module only. Other components are needed for operation, see page 29 and page 30.	
Assembly type ④ for surface mounting 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. **Useful when you wish to avoid recess-mounting or cuts on the door frame.**	**034964CW2U** * Module only. Other components are needed for operation, see page 29 and page 30.	
Assembly type ⑤ for recessed wall-mounting 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. **Wall niche and cable channel to be prepared beforehand.**	**034965CW2U** * Module only. Other components are needed for operation, see page 29 and page 30.	
Noise-proof power **SPEAKER** (Ø 150 mm) for noisy environments to connect to the screw-on terminal of the SLIM-DUALVOX listen-speak unit.		**034969MST4** (opzional)	

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

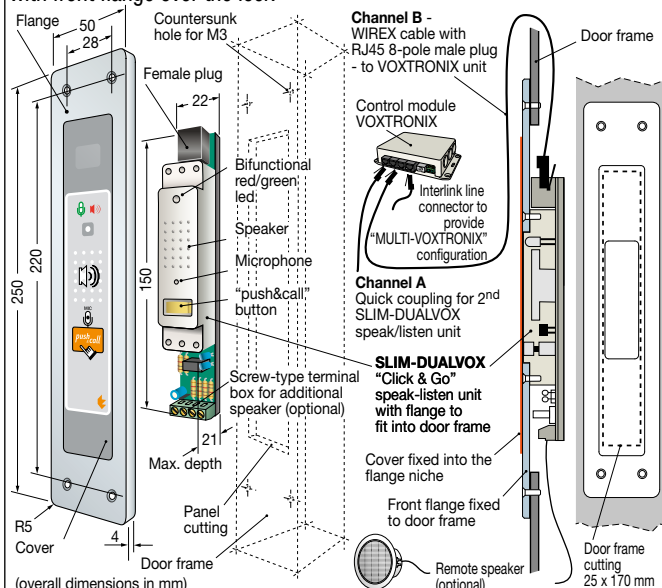*For sizes, measurements and details of chasing, application examples and connection diagrams, see page 32.*

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

Assembly type ❶ total alignment,
lock recessed into surface without flange

- 30
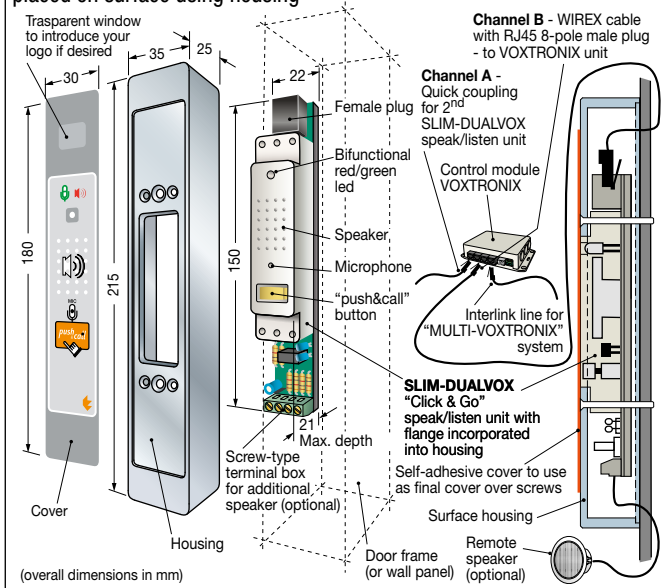- Transparent window to introduce your logo if desired
- 180
- 92
- Cutting 22 x 75
- Cover
- Countersunk hole for M3
- (overall dimensions in mm)
- Door frame
- 22
- Control module VOXTRONIX
- Female plug
- Bifunctional red/green led
- Speaker
- Microphone
- "push&call" button
- 150
- 21 Max. depth
- Screw-type terminal box for additional speaker (optional)
- Remote speaker (optional)
- Channel B - WIREX cable with RJ45 8-pole male plug to VOXTRONIX unit
- Interlink line connector to provide "MULTI-VOXTRONIX" configuration
- Channel A - Quick coupling for 2nd SLIM-DUALVOX speak/listen unit
- Door frame thickness 1,6 mm or 3 mm
- Gap G 1,6 mm or 3 mm
- SLIM-DUALVOX "Click & Go" speak/listen mounted concealed and recessed onto the panel surface
- Self-adhesive cover to apply to finished system
- Door frame

Assembly type ❷ alignment at bottom
with front flange "flush with surface" at bottom

- Flange 50 / 28
- Female plug
- 22
- Bifunctional red/green led
- Speaker
- Microphone
- "push&call" button
- 250 / 220
- 150
- 21 Max. depth
- R5
- Cover
- 2,5
- Screw-type terminal box for additional speaker (optional)
- Wall panel with milling
- (overall dimensions in mm)
- Countersunk hole for M3
- Milling
- Wall panel with milling
- Front flange set into panel lowering
- Panel cutting
- Channel B - WIREX cable with RJ45 8-pole male plug - to VOXTRONIX unit
- Control module VOXTRONIX
- Interlink line connector to provide "MULTI-VOXTRONIX" configuration
- Channel A Quick coupling for 2nd SLIM-DUALVOX speak/listen unit
- SLIM-DUALVOX "Click & Go" speak-listen unit with front flange set into panel lowering
- Cover fixed into the flange niche
- Remote speaker (optional)
- Door frame section 2,5 mm
- Panel cutting 25 x 170 mm

Assembly type ❸ traditional fitting
with front flange over the lock

- Flange 50 / 28
- Countersunk hole for M3
- Female plug
- 22
- 250 / 220
- 150
- 21
- Max. depth
- R5
- Cover
- 4
- Panel cutting
- Door frame
- (overall dimensions in mm)
- Bifunctional red/green led
- Speaker
- Microphone
- "push&call" button
- Screw-type terminal box for additional speaker (optional)
- Door frame
- Channel B - WIREX cable with RJ45 8-pole male plug - to VOXTRONIX unit
- Control module VOXTRONIX
- Interlink line connector to provide "MULTI-VOXTRONIX" configuration
- Channel A Quick coupling for 2nd SLIM-DUALVOX speak/listen unit
- SLIM-DUALVOX "Click & Go" speak-listen unit with flange to fit into door frame
- Cover fixed into the flange niche
- Front flange fixed to door frame
- Remote speaker (optional)
- Door frame cutting 25 x 170 mm

Assembly type ❹ for mounting
placed on surface using housing

- Trasparent window to introduce your logo if desired
- 30 / 35 / 25
- 22
- 180
- 215
- 150
- 21 Max. depth
- Cover
- Housing
- Screw-type terminal box for additional speaker (optional)
- (overall dimensions in mm)
- Female plug
- Bifunctional red/green led
- Speaker
- Microphone
- "push&call" button
- Channel B - WIREX cable with RJ45 8-pole male plug - to VOXTRONIX unit
- Channel A - Quick coupling for 2nd SLIM-DUALVOX speak/listen unit
- Control module VOXTRONIX
- Interlink line for "MULTI-VOXTRONIX" system
- SLIM-DUALVOX "Click & Go" speak/listen unit with flange incorporated into housing
- Self-adhesive cover to use as final cover over screws
- Surface housing
- Door frame (or wall panel)
- Remote speaker (optional)

Assembly type ❺ for recessed
wall mounting with flange and wall box

- Flange 50 / 28
- Bifunctional red/green led
- Speaker
- Microphone
- 65
- Female plug
- 22
- 250 / 220
- 150
- 230
- 21
- Max. depth
- R5
- Cover
- 4
- Screw-type terminal box for additional speaker (optional)
- "push&call" button
- 36 / 20 / 10
- Wall-mounting receptacle
- (overall dimensions in mm)
- SLIM-DUALVOX "Click & Go" speak/listen unit with flange inserted into the wall mounting receptacle
- Raceway
- Wall
- Clamping wings
- Cover fixed into the flange niche
- Flange flush with wall, fixed to wall mounting receptacle
- Channel A - Quick coupling for 2nd SLIM-DUALVOX speak/listen unit
- Channel B - WIREX cable with RJ45 8-pole male plug - to VOXTRONIX unit
- Control module VOXTRONIX
- Interlink line for "MULTI-VOXTRONIX" system
- Remote speaker (optional)

WIREX FAST CONNECTING CABLES
(basic configuration for 2 stations)

- Control module VOXTRONIX (mandatory for the system)
- 12 VDC from separate power supply
- Interlink line connector to provide "MULTI-VOXTRONIX" configuration
- MASTERWIREX cable to VOXTRONIX unit
- Channel A
- Channel B
- Interlink line for "MULTI-VOXTRONIX" system
- Male plug
- Female plug
- Remote speaker (optional)
- Male plug
- Female plug
- Speak/listen unit SLIM-DUALVOX "Click & Go"
- Speak/listen unit SLIM-DUALVOX "Click & Go"
- separated room
- Screw-type terminal box
- Screw-type terminal box
- Door frame

VOXTRONIX

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

with technology *Click & Go* ZEROTIME ®

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

	ordering information		Q.ty
	MODELS		**N°**

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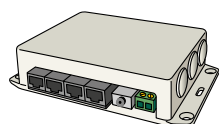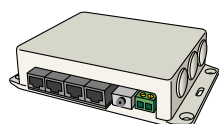

1 module **Voxtronix** + 2 cables **MASTERWIREX** standard length 10 mt. (other lengths on request) + 2 listen-talk units **SLIM-DUALVOX type ❶**

VOXTRONIX	**034968H2W2U**		
MASTERWIREX	**034928WD**		
MASTERWIREX	**034928WD**		
SLIM-DUALVOX	**034961CW2U**		
SLIM-DUALVOX	**034961CW2U**		
	(NB: unit with gap G 1,6 mm, for gap G 3 mm see page 28)		
COMPLETE BASIC KIT type ❶	**TOTAL**		

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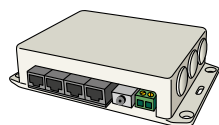

1 module **Voxtronix** + 2 cables **MASTERWIREX** standard length 10 mt. (other lengths on request) + 2 listen-talk units **SLIM-DUALVOX type ❷**

VOXTRONIX	**034968H2W2U**		
MASTERWIREX	**034928WD**		
MASTERWIREX	**034928WD**		
SLIM-DUALVOX	**034962CW2U**		
SLIM-DUALVOX	**034962CW2U**		
COMPLETE BASIC KIT type ❷	**TOTAL**		

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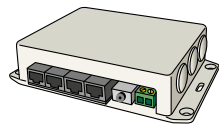

1 module **Voxtronix** + 2 cables **MASTERWIREX** standard length 10 mt. (other lengths on request) + 2 listen-talk units **SLIM-DUALVOX type ❸**

VOXTRONIX	**034968H2W2U**		
MASTERWIREX	**034928WD**		
MASTERWIREX	**034928WD**		
SLIM-DUALVOX	**034963CW2U**		
SLIM-DUALVOX	**034963CW2U**		
COMPLETE BASIC KIT type ❸	**TOTAL**		

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

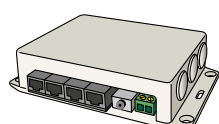1 module **Voxtronix** + 2 cables **MASTERWIREX** standard length 10 mt. (other lengths on request) + 2 listen-talk units **SLIM-DUALVOX type ❹**

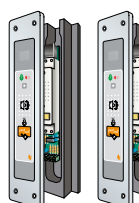|			
VOXTRONIX	**034968H2W2U**		
MASTERWIREX	**034928WD**		
MASTERWIREX	**034928WD**		
SLIM-DUALVOX	**034964CW2U**		
SLIM-DUALVOX	**034964CW2U**		
COMPLETE BASIC KIT type ❹	**TOTAL**		

Basic kit configuration for two type ❺ 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 ❺**

VOXTRONIX	**034968H2W2U**		
MASTERWIREX	**034928WD**		
MASTERWIREX	**034928WD**		
SLIM-DUALVOX	**034965CW2U**		
SLIM-DUALVOX	**034965CW2U**		
COMPLETE BASIC KIT type ❺	**TOTAL**		

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).