Art. 8K-1/2E - 8K-1S/2E Two Entrances Audiokit

GENERAL DIRECTIONS FOR INSTALLATION

In order to achieve the best results from the schematics described it is necessary to install only original VIDEX equipment, strictly keeping to the items indicated on each schematic and follow these General Directions for Installation:

- The system must be installed according to national rules in force, in any case the running of cables of any intercom unit must be carried out separately from the mains (see the next paragraph for connection to mains and power supply installation);
- All multipair cables should be compliant to CW1308 specification (0.5mm twisted pair telephone cable.
- Cables for speech line and service should have a max resistance of 10Ω
- Lock release wires should be doubled up (Lock release wires and power supply wires should have a max resistance of 3Ω);
- The cables sizes above can be used for distances up to 50m. On distances above 50m the cable sizes should be increased to keep the overall resistance of the cable below the RESISTANCES indicated above;
- Double check the connections before power up;
- Power up the system then check all functions.

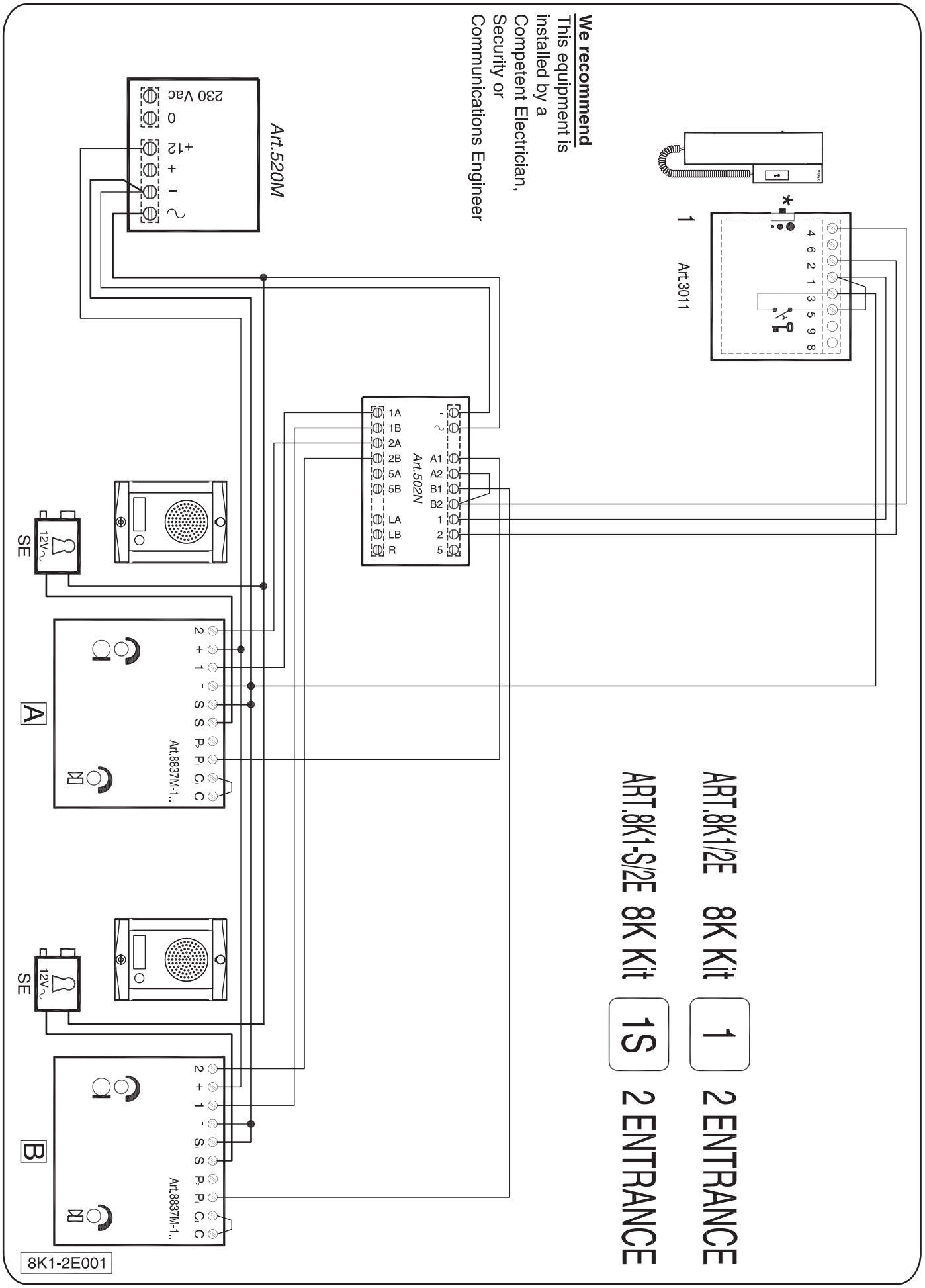
⚠ CONNECTION TO MAINS AND POWER SUPPLY MOUNTING INSTRUCTIONS

The system must be installed according to national rules in force, in particular we recommend to:

- Connect the system to the mains through an **all-pole circuit breaker** which shall have contact separation of at least 3mm in each pole and shall disconnect all poles simultaneously;
- **The all-pole circuit breaker** shall be placed for easy access and the switch shall remain readily operable.

POWER SUPPLY INSTALLATION

- Remove the terminal side covers by unscrewing the retaining screws;
- Fix the power supply to a DIN bar or directly to the wall using two expansion type screws;
- Switch off the mains using the circuit breaker mentioned above and then make the connections as shown on the installation diagrams;
- Check the connections and secure the wires into the terminals;
- Replace the terminal covers and fix them using the relevant screws;
- When all connections are made, restore the mains.


We recommend
This equipment is installed by a Competent Electrician, Security or Communications Engineer
230 Vac
0
+12
+
-
Art.520M
1
Art.3011
4 6 2 1 3 5 9 8
1A
1B
2A
2B
5A
5B
LA
LB
R
-
A1
A2
B1
B2
1
2
5
Art.502N
SE
12V
A
B
2 + 1 - S1 S P2 P1 C1 C
Art.8837M-1..
ART.8K1/2E 8K Kit 1 2 ENTRANCE
ART.8K1-S/2E 8K Kit 1S 2 ENTRANCE
8K1-2E001

All intercoms wiring must run separately from the mains cable.
The cable type should be CW1308 or an equivalent cable. The cable size should comply with the table below.

DISTANCE METERS	CABLE SIZE (MM^2)
50	0.35
100	0.5
200	0.75
300	1.0
400	1.5

Max resistance of all lines: 8 Ohm
Before powering the system up, the wiring should be double checked to ensure it complies with the wiring diagram supplied.

TROUBLE SHOOTING GUIDE

In the event of the system not functioning correctly when you power up, the following points can be checked (a multimeter will be needed).

SYSTEM DEAD

- Check mains input to the transformer.
- Check the 12Vdc (**+12** terminal) output from the power supply.
- Check fuses.
- Check for shorts on power supply wires.

SPEECH & LOCK WORKS BUT NO ELECTRONIC CALL TONE

- Check the link between **"C"** and **"C1"** terminals of the speaker unit.
- Call wire to terminal **"4"** of the handset broken on in short circuit; check the walk of the call wire.

NO SPEECH FROM THE DOOR PANEL

- Check and/or adjust the volume operating on trimmers controls on rear of speaker unit.
- Check the wire from terminal **"2"** of the speaker unit to terminal **"2"** of the handset.

NO SPEECH FROM THE HANDSET

- Check and/or adjust the volume operating on trimmers controls on rear of speaker unit.
- Check the wire from terminal **"1"** of the speaker unit to terminal **"1"** of the handset.

LOCK DOES NOT WORK

- Check on the handset the link between terminals **"1"** and **"5"**.
- Check the 13Vac output on the transformer.
- Check the wires of the electric lock.
- Wires section not in conformity with the table above.

FEEDBACK PROBLEM (LARSEN EFFECT)

- Check that the handset microphone is firmly fitted inside its housing.
- Check that the speaker unit microphone is firmly fitted inside its housing and nothing is obstructing the microphone hole.
- Adjust the volume operating on trimmer controls on rear of the speaker unit.

HUM ON THE SPEECH LINES

- Check that system cables are not running close to any high voltage or mains cables.
- Check that the system is wired exactly as shown on the wiring diagram.

⚠ **WE RECOMMEND THIS EQUIPMENT IS INSTALLED BY A COMPETENT ELECTRICIAN, SECURITY OR COMMUNICATIONS ENGINEER.**
If further assistance is required, call the technical help desk on 0191-2243174 for uk customers or +39 0734631669 for other countries.

8000 Series Surface and flush mounting door station installation

INSTALLING A FLUSH MOUNTING DOOR STATION

1. Mount back box **S (Fig. 2)** at 165 cm from ground level **(Fig. 1)**;
2. If more than one flush box is needed, connect them by using the plastic spacers provided **A (Fig. 2)**;
3. If necessary finish and clean properly the module support fixing holes and all other holes **B (Fig. 2)**;
4. A rainshield **D (Fig. 3 & 4)** can be mounted using the fixing screws **G (Fig. 4)** to conceal possible wall finishing defects and protect against rain;

> ⚠ **In order to prevent water ingress we highly recommend using a silicon sealant between the wall and the back box and between the wall and the rainshield D (Fig.3);**

5. Remove the fixing screws **H (Fig. 5)** and remove the plastic cover **E (Fig. 5)** of the module support;
6. Insert the modules **F (Fig. 6)** according the required configuration;
7. Insert the microphone of the door unit amplifier into the microphone hole **X (Fig. 7)**;
8. Secure the modules by refitting the plastic cover **E (Fig. 8)** and using the screws **H (Fig. 8)**;
9. Insert the hinge **I (Fig. 9)** and fix it with the two screws **K (Fig. 9)** provided;
10. Make all connections following accurately the wiring diagram provided. Check the installation and if necessary adjust speech levels using volume controls **L (Fig. 9)**;
11. Lever the support **R (Fig. 10)** upwards and fix it to the back box with the screw **M (Fig. 11)** using an alan key **P (Fig. 11)**;
12. Conceal the screw using the plastic cover **N (Fig. 11)** provided.

INSTALLING A SURFACE MOUNTING DOOR STATION

Fix the surface box on the wall at a distance of 165 cm between the top of the box and the ground **(Fig. 1).**

> ⚠ **In order to prevent water ingress we highly recommend using a silicon sealant between the wall and the back box J (Fig.12) and around all holes W (Fig.12).**

To complete the installation follow the same steps described above for the flush box.

> ⚠ **Note: if additional holes are made in the box or rainshield, oxidation problems may appear unless the unprotected metal is coated with a protective paint.**

HOW TO REMOVE THE CARD NAME HOLDER

- To avoid damage to the module front plate, tape the side that will be in contact with the screwdriver blade;
- Insert a flat screwdriver into the card-holder hole as shown in **Fig. 13;**
- Move the screwdriver to the left as shown in **Fig. 14** to extract the card name holder;
- Edit the card name then replace it inside the holder and refit: insert the holder inside its housing from the left or right side then push the other side until it clips into place.

EXAMPLE: INSTALLING A TWO MODULE OUTDOOR STATION

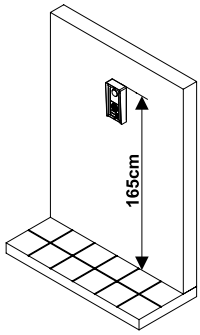


Fig. 1

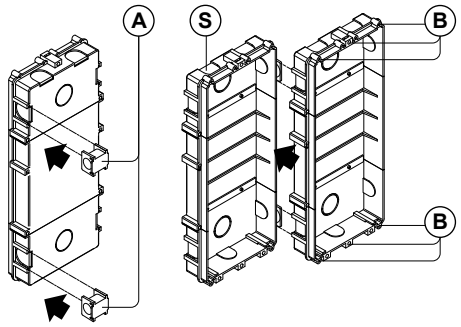


Fig. 2

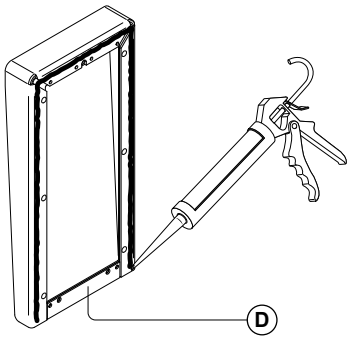


Fig. 3

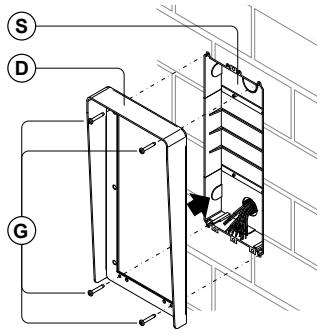


Fig. 4

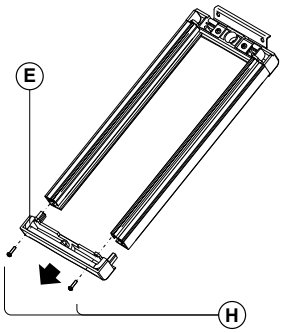


Fig. 5

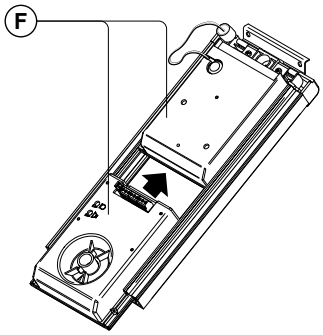


Fig. 6

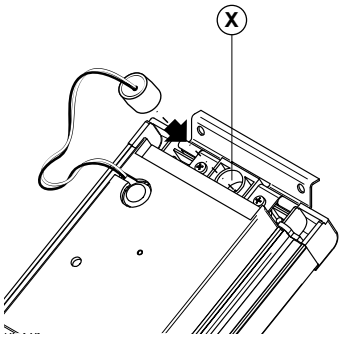


Fig. 7

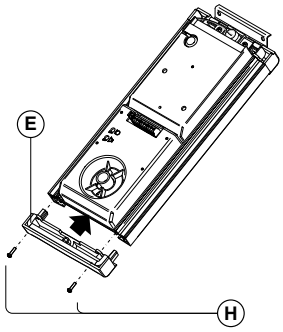


Fig. 8

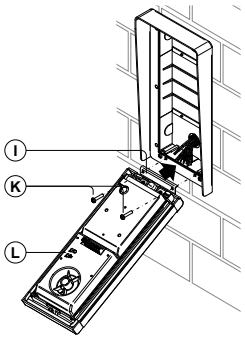


Fig. 9

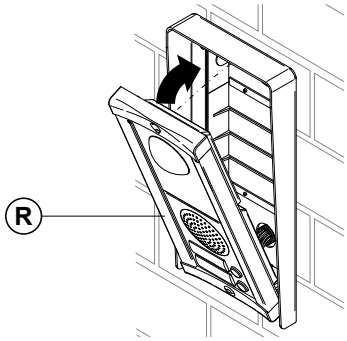


Fig. 10

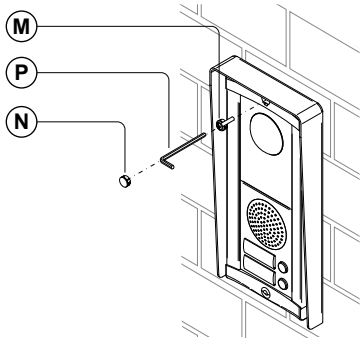


Fig. 11

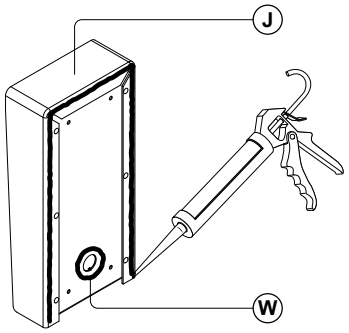


Fig. 12

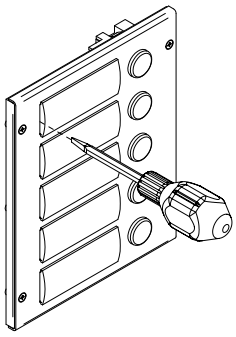


Fig. 13

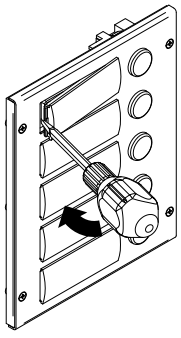


Fig. 14

Notes

Notes

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THE POWER TO SECURE

Cert. N. IT05/1217

made in ITALY

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CE

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