Porteros Telefónicos

Installation Guide:
Anti-Vandalism Front

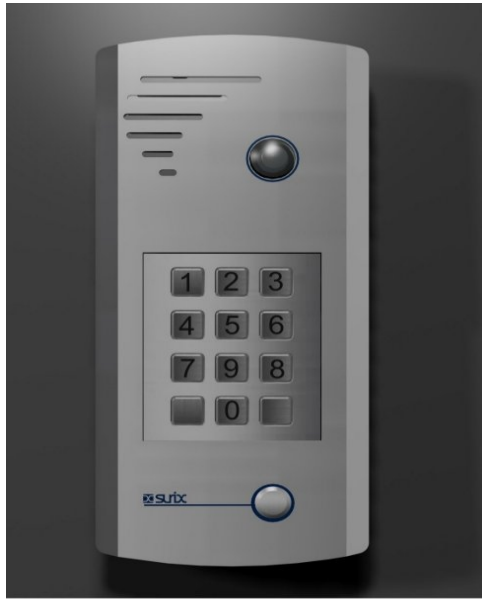
Made in Argentina

Titanium Line Products:

- Security Phone
- Multifamily Front
- MP Siemens
- IP Access
- SPHA

Other products from Titanium Line:

- IP Access with camera
- IP Entrix
- IP Entrix with camera



Installation:

It is necessary to have a flat surface, either with a 10x5 electrical box behind (where the anti-vandalism front will be screwed), or to be able to make holes in the wall to insert the necessary screws and rawplugs.

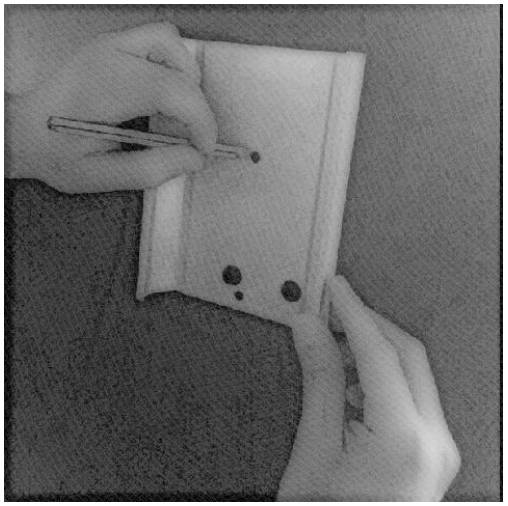
The front has two holes to pass the wires that connect the door phone. The central hole, is expected to pass a class 5 UTP wire, which is connected to the plate's RJ 45 connector, making possible the system's comunication.
The second one, situated on the right, can be used or not: it passes the necessary wires to control the access door. This one comes with a plug, which should not be removed if no wires are passed through it.
In case of installing the door control, you have to change the rubber for the provided cable grommet. It is vital to have this rubbers placed right, to avoid water filtration and prolong the product's life.
If you have a 10x5 embedded electrical box to install the product, start from **STEP 4,** but if you have a 5x5 box or just one hole in the wall to pass the wires, proceed as follows.

STEP 1: Mark the holes (Picture1).

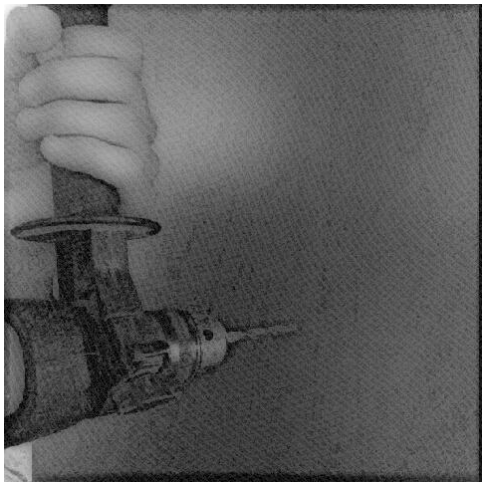
You should proceed to create 2 holes marking with a pencil two fixation holes.

The smallest holes, which are 5mm, belong to the fixation holes that are located on the vertical line centered in the middle of the chasssis, separated by 83 mm aproximately.

The wire holes are the ones that are with anti-filtration rubbers.



Picture 1.



Picture 2.

STEP 2: Perforation (Picture 2).

Using a hand drill, make the two fixation holes on the wall, with a 6mm diametre wick and the appropriate type of tip according to the material.

Make sure the holes are as perpendicular to the wall plan as possible to avoid unnecessary efforts while attaching the product to the wall.

It is reccommended to corroborate the hole marks' location on the wall. A wrong positioning will hinder the installation.

STEP 3: Placing the Fischer wall plugs (Picture 3).

Once the fixation holes are made, insert the two Fischer wall plugs provided. These should be placed flush with the wall surface, without embeding them in it.

You can use a hammer or a similar element for the fixation.

Picture 3.

Finally, the Anti-vandalism front should look as shown in Picture 16:

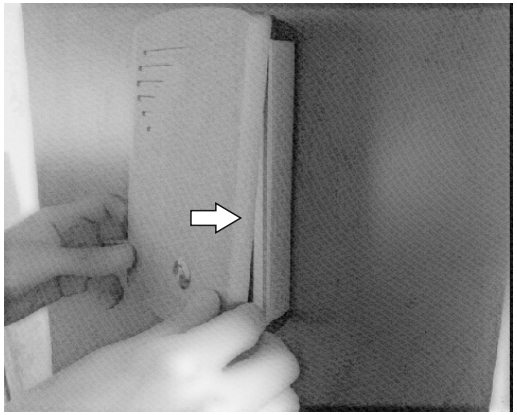
Picture 16.

IMPORTANT!

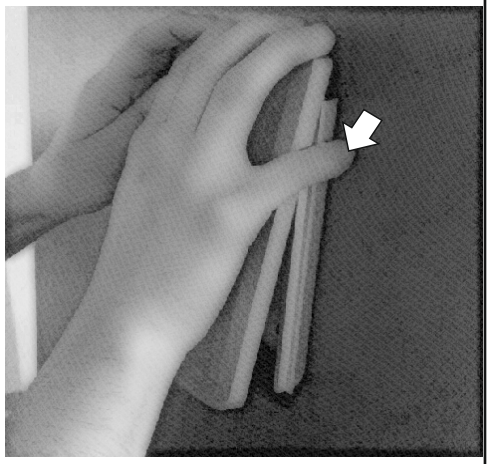
On one side, the product complies with **rule IP 65.** And on the other side, take the time to correctly attach it so that you are sure you have an Anti-vandalism and inmune to climate inclemencies product.

STEP 10: Complete fitting of the front in the chasssis.

As shown in Picture 12, using both hands, exert downward force on the front in such way that the top fits completely in the chassis, as in Picture 13.
Then, force with the thumbs over the two bottom corners to achieve completely the fitting in the chassis.



Picture 13.

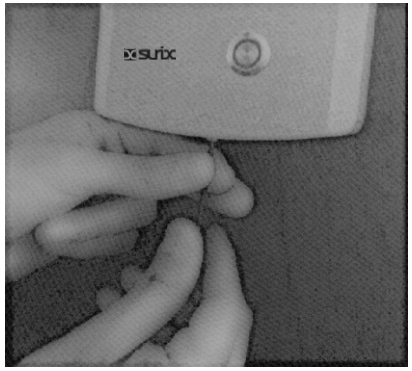


Picture 12.

STEP 11: Anti-vandalism screw adjustment (Pictures 14 and 15).

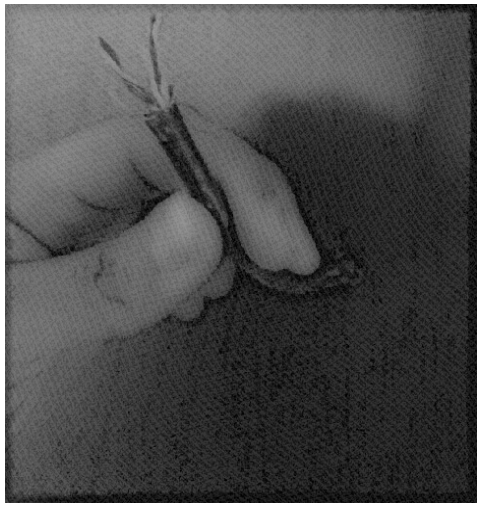
By pressing and holding enough with one hand on the front of the chassis, with the other one insert the Anti-vandalism screw and adjust it with the key, both provided with the product.

Picture 14.



Picture 15.

STEP 4: Wire passage (Picture 4).



Picture 4.

Prior to the attachment of the product, pass a class 5 UTP wire (preferably AMP or FURUKAWA for a better noise inmunity) without male RJ 45 tab connected to its end. It is reccommended that the wire is not exposed more than 8cm outside the wall, so that it allows then to crimp the top with a male RJ 45 tab, and at the same time, remain within the 10x5 box while placing the front.

In case of door access control, you should pass another wire, in identical way, by the second cable grommet. In this case, remove the anti-filtration rubber and place the cable grommet provided with the product identically to the central wire hole.
Afterwards, insert the wires through the anti-filtration rubbers.

NOTE: It is utterly necessary to use a class 5 UTP wire for access control wiring, or another one with equivalent thickness, since a thinner one will help water filtering.
In case it is not possible to have one of these, make sure to seal hermetically the light between the wire and the anti-filtration rubbers.

STEP 5: Placing the anti-filtration rubbers (Picture 5).

Place the rubbers on the fixation screws (both provided with the product), placing the flat side of the rubber in such way that it then lays down on the frontal part of the product, and its curve side ends on the top of the screw.

It is important not to skip this step and to make sure the rubbers do not break, since they ensure the product's durability.

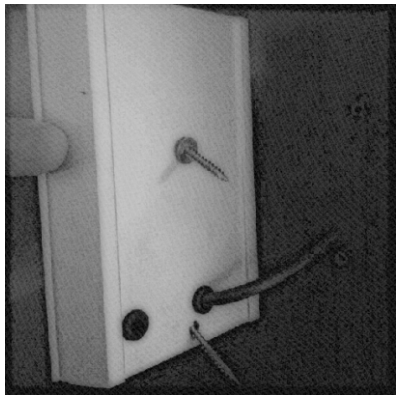
Picture 5.

STEP 6: Inserting the fixation screws (Picture 6).

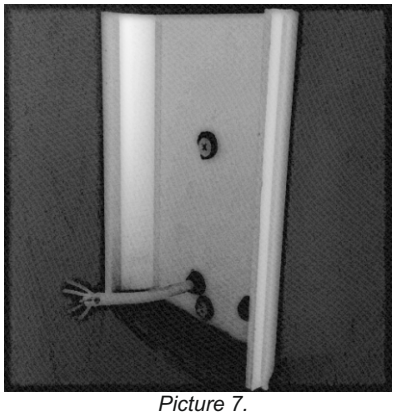
Insert the fixation screws (with the anti-filtration rubbers placed) through the holes in the chassis (in case of 10x5 electrical box, use the smaller fixation screws).

Place the provided washer only for the upper screw. The importance of this is that, while screwing, it helps the chassis not to curve and change the mechanical configuration of the product, which may result in the front not fitting properly in the attached chassis.

It is important to know that the space that should be between the product and the wall allows water to circulate and prevents that it flows over the door phone. Therefore, make sure this distance exists: for this, the screws should be moderately adjusted, without excessively forcing them.
Once the chassis is attached to the wall, it should look as in Picture 7.



Picture 6.



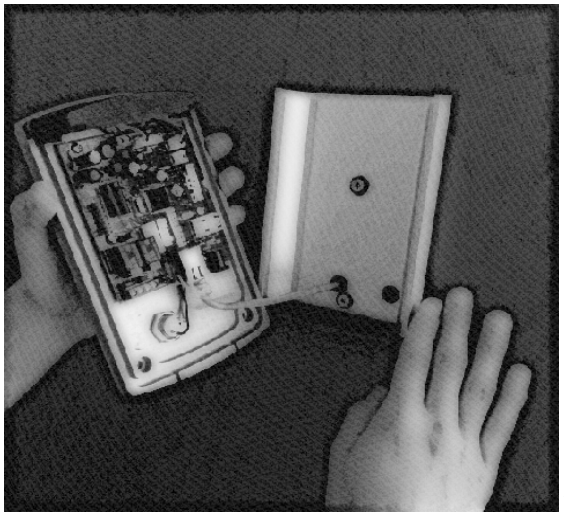
Picture 7.

STEP 7: Crimping the RJ 45 male tab (Picture 8).

To connect the wire to the product, it is necessary to place a male RJ 45 tab (provided with it) at the end of it.
For this, you should have minimum experience in this field: an incorrect configuration would cause system failures.

Using crimping tweezers, assemble the connector, being this a crossover cable or a direct cable, indistinctly.

Picture 8.



Picture 9.

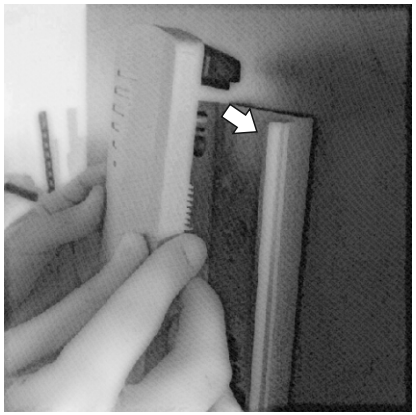
STEP 8: Connecting the product (Picture 9).

Connect the Ethernet wire to the product's RJ 45 connector.

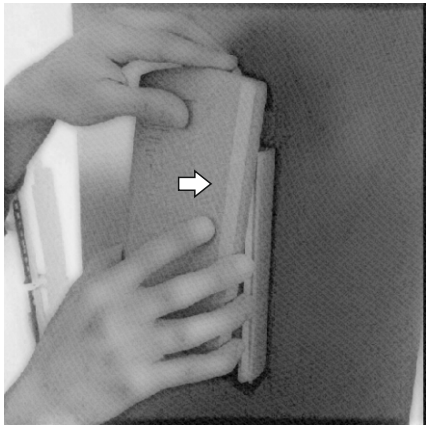
STEP 9: Placing the Anti-vandalism front.

As shown in Picture 10, place the front aligned with the chassis (attached to the wall), 5cm up from it.
First, match the front's right slit with the right side of the chassis, without placing the left side, and at the same time, with a slight inclination of the front towards the wall (as shown in Picture 11). This way, the front and the chassis only touch at one point.

Once the contact in the upper right side of the chassis is made, moderately force the right side (slightly increasing the separation of the chassis' profiles that fit the front), and without decreasing this force, lay down the front's left side on the chassis, keeping its inclination towards the wall.



Picture 10.



Picture 11.