



INSTALLATION OF BIRD-OUT®
GUARANTEED FOR 10 YEARS*
EXCLUDING GENERATOR

1- Kit 20 M composition

40 polycarbonate plates
40 1- meter long rods made of BEZINAL
2 0.5 meter spring
2 pods with cable connections

A) Polycarbonate plate

Height 32 mm – Width 3 mm
Length 50 mm or Length 35 mm

Strength and resistance properties

- Excellent resistance to oxygen, ultra-violet rays, alkaline salts and water repellent products.
- Bond (test done in laboratory corresponding to 5 and a half years of aging):
up to 5.20 kg/cm² (force 125 kg/25 cm)

A break off part prevents use of more than one ⊖ and one ⊕ (in most cases). In this case, the length of the support is 35 mm.

The shape of the head prevents the "water droplet" phenomenon and its inverted two-step clipping system makes unclipping impossible (without action by a person).

B) BEZINAL rod

Diameter 2 mm – Length 1000 mm

The BEZINAL has the following genuine advantages:

- Very good conductivity, which makes it very efficient.
- Very good elasticity = the rods return to their initial shapes if you walk on them.
- Very easy to twist = once the elasticity limit has been exceeded, you can make corners without the use of tools.
- BEZINAL is a material frequently used in the automotive industry.
- Cover: 95% zinc; 5% aluminum
- Excellent resistance to salt spray

C) Spring

Length: 500 mm

The 302 stainless steel spring makes a connection between rods, angles, etc.

It is quickly fixed and its self-locking system holds it in place perfectly. It completely absorbs expansion and retraction phenomena.

D) BDO Clips connection cable

- Enables a perfectly connection between rods and electric cable
- Permit a good seat of the rods, action of "welding". It is easier to orient the rods without pressure.
- Insulating girdle, with a high mechanical resistance and vibrations resistance

2 - ATTACHMENT (please follow the order of the instructions)

A) First : Installation of the generator

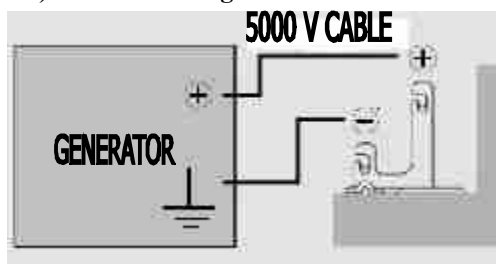
It is preferable to install the generator in a dry and easily accessible location. It must be easy to stop the generator.

All our generators satisfy standards.

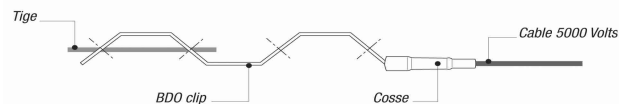
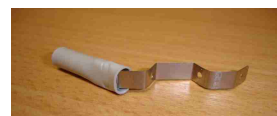
NF EN 61 011.

The generator has to be plugged to earth or connect the – pole to the earth of the generator.

B) Rods with the generator



The 5000 volt cable (standard No. EN 50143) and the rods (+ and -) are connected using pod with cable connection



Once the connection made, a check is necessary. Renew the operation with the negative pole.
TEST THE INSTALLATION.

C) Plates to support

The polycarbonate supports can be:

- Glued to the Selfixing® neutral silicone
- Screwed
- Nailed

Please call SEL Team if you would like any further information, at :

PHONE : + 33 (0) 1 43 94 87 87 / FAX : + 33 (1) 41 95 22 85 Email : sel@uuds.com

* REFER TO THE CONDITIONS DEFINED IN OUR CATALOGUE – Printed 26/05/09

Nature of supports

Concrete, reinforced concrete, cement mortar, marble, limestone or other, brick, copper, galvanized steel, steel structures, stone, etc. (non-exhaustive list)

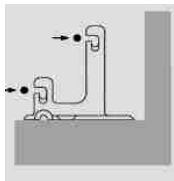
D) Installation information

- Optimum climatic conditions:
Temperature between + 5° C and + 30° C
Sheltered from the rain
- Support preparation:
Cleaning with Selcleaning®, dedusting, drying (brushing or degreasing if necessary). In some cases, a primer will have to be applied first on friable or very smooth porous supports.
- Installation:
By gluing: a strip of neutral silicone glue applied under the sole plate
By nailing or screwing, using the notches provided for this purpose.

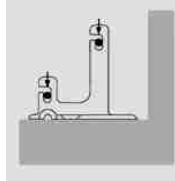
E) Rods with the support

In most cases we will use 2 rods:
the ⊕ and the ⊖

Scheme 1



Scheme 2



Insert the rod sideways (scheme 1) after hearing a "click"
Exert pressure downwards (scheme 2) after hearing the "click". The rod is then in place.

F) Connections between rods

2 mm diameter BEZINAL rods are easily deformable to follow the relief to the building to be protected.

However, you will use the connection spring in some cases, at intervals of about one meter: cut a ± 2.5 cm spring, screw it onto the rod (± 0.5 cm), and then repeat the operation for the other rod.



Once fixed, you will need pliers to remove the spring.

TEST THE INSTALLATION with Joulimeter (ref EVO010) every end of day. Leave the installation connected after working day.

ON-SITE MAINTENANCE COMPULSORY

3 - INSTALLING BIRD-OUT®

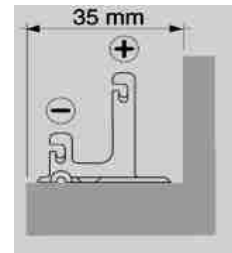
How / Where / When ?

As described in this sheet.

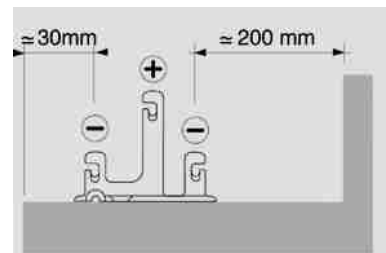
All types of buildings, statues, museums, factories, buildings, etc... Except wood structure.

When a location is occupied by birds (pigeons, seagulls, etc.).

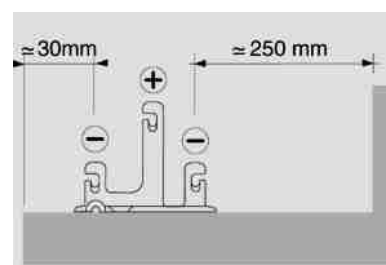
1- In this case, break the break-off part to use two rods only on the support. The 3rd rod is taken out.



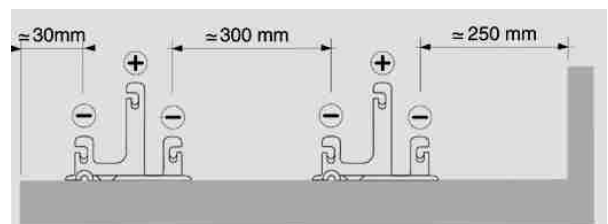
2- In this case, only use two rods, and the 3rd can be left in place.



3- In this case, the 3 rods are used. The 2 - terminals are connected by a spring at the end of the line or are distributed at the generator output.



4-



5- Halve the distances if there are any nesting birds.

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