

## 1- Kit 20 M composition

40 polycarbonate plates  
 40 1- meter long rods made of BEZINAL or INOX  
 40 BDO CLIPS  
 2 heat shrinking sleeves

### 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/cm<sup>2</sup> (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.
- Composition: 95% zinc; 5% aluminum
- Excellent resistance to salt spray

### C ) BDO Clip

Length 40mm – width 6mm.  
 BDO Clip permits a good seat of the rods, action of "welding". It is easier to orient the rods without pressure.

### D ) Heat-shrinking sleeve

- Enables a perfectly sealed connection between rods and cable

## 2 - ATTACHMENT

### A ) Plates to support

The polycarbonate supports can be:

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

### Nature of supports

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

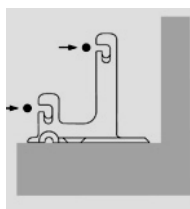
### B ) Installation information

- Optimum climatic conditions:  
 Temperature between + 5° C and + 30° C  
 Sheltered from the rain
- Support preparation:  
 Dust removal, 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 polycarbonate plate  
 By nailing or screwing, using the notches provided for this purpose.

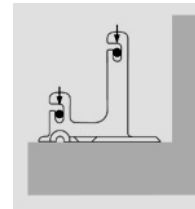
### Rods with the support

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"

SEL team is at your entire disposal for further information :

Phone + 33 (0) 1 43 94 87 87 FAX : + 33 (0) 1 41 95 22 85 Email : [sel@uuds.com](mailto:sel@uuds.com) <http://www.birdout.com>

**REFER TO THE CONDITIONS DEFINED IN OUR CATALOG**

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

**Connections between rods**

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

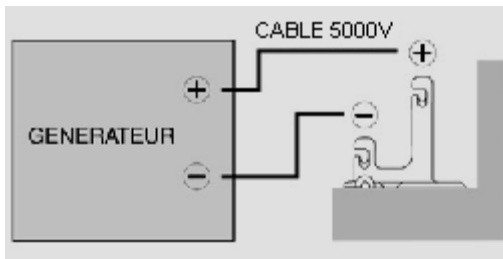
However, you will use the BDO clips connection in some cases, at intervals of about one meter:

BDO Clip (side view)



Exert a light pressure on the BDO clip, then introduce the rod and let go of to fix it..

**Rods with the generator**



The 5000 volt cable (standard No. EN 50143) and the rods (+ and -) are connected using BDO clips connection cable (BDO010).



**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.

**3 INSTALLING BIRD-OUT®**

**When?**

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

**Where?**

All types of buildings, statues, museums, factories, buildings, etc.

SEL team is at your entire disposal for further information :

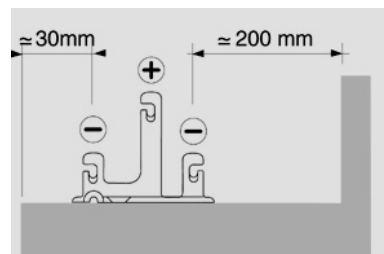
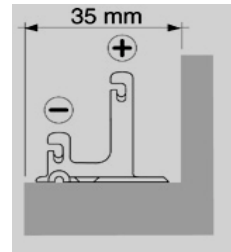
Phone + 33 (0) 1 43 94 87 87 FAX : + 33 (0) 1 41 95 22 85 Email : [sel@uuds.com](mailto:sel@uuds.com) <http://www.birdout.com>

**REFER TO THE CONDITIONS DEFINED IN OUR CATALOG**

**How?**

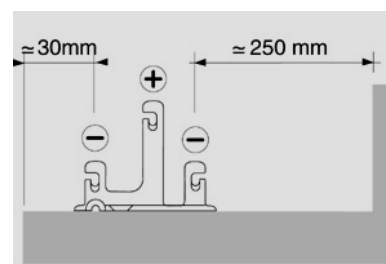
1- As described in this sheet

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



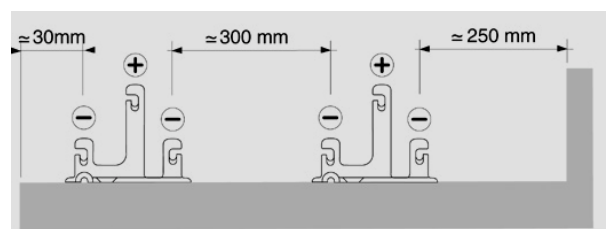
2- In this case, only use two rods, and the 3<sup>rd</sup> can be left in place.

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



output.

4-



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

SEL team is at your entire disposal for further information :  
Phone + 33 (0) 1 43 94 87 87 FAX : + 33 (0) 1 41 95 22 85 Email : [sel@uuds.com](mailto:sel@uuds.com) <http://www.birdout.com>  
**REFER TO THE CONDITIONS DEFINED IN OUR CATALOG**