Name: Columbus Electrical System

Function:
The electrical anti-bird control system TOPINDOMAG prevents birds from roosting at protected areas. It consists of two parallel Polythene hoses with an integrated thread copper wire. Through an electrical power supply, electricity is funneled into the system, which disperses birds like an electric fence. There is no danger for birds or human beings touching the system harmlessly. The system is extremely flexible and especially designed for the bird protection of monuments.

Components:
- Polythene hoses with integrated 1.6mm thick-drawn copper wire
- Plastic knuckles
- Stainless-steel clips
- Connection sleeves 3x30 mm copper or stainless-steel
- Insulation cable black
- Generator

Measurements:
- B: 8.2mm x H: 3.9mm x L: 1.200mm

Colours:
- Nature (grey) or anthracite

Protected area (depot):
- 100mm

Electricity:
- 8700 V (system voltage)
- 8000 V (load)
- 3600 V at 5000Nm load

Installation:
Flexible knuckles are glued to the surface every 250-300mm with a suitable glue. The stainless-steel hoses are fastened onto the knuckles and connected between each other with stainless-steel hoses and connection sleeves. The generator must be connected by client to the power supply or can be supplied by an additional power module. The generator and the hoses are connected with high-insulation cables. The power supply can be funneled into the system anywhere, a closed circuit is not necessary.

Accessories:
- Rain guard, Lightning Choke

Installation service:
- System control within the maintenance period.

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Manufacturers: TOMI Bird Control Solutions GmbH & Co. KG

Product name: Columbus Electrical System

Drawing Scale: 1:0.8

Date: 18.12.2010

E-0201