



## **BIRD FLIGHT DIVERTER**

### **Model no- VNLD3.1.190MM**



*Birds may fly into power lines accidentally, either because they do not see them at all, or because they see them too late to react; this is a particular issue for large species that cannot change direction quickly. Above-ground power lines pose three main risks or perils to birds:*

- *Risk of electrocution: Birds sitting on power poles and / or conducting cables are killed if they cause short circuits (short circuit between phases, or short-to-ground).*
- *Risk of collision: In flight, birds can collide into the cables of power lines, because the cables are difficult to perceive as obstacles. In most cases the impact of collision leads to immediate death or to fatal injuries and mutilations, which cannot be survived.*
- *Risks and loss of habitat quality in staging and wintering areas: Mainly when aboveground power lines cut across open landscapes and Habitat (wetlands, steppe, etc.)*



*Avian collisions can be reduced by increasing power line visibility. Aerial marking devices (Bird diverters) are intended to reduce avian collisions with power lines by increasing power line visibility.*

- *BIRDS FLIGHT LED DIVERTERS are design to increase the visibility of power lines for birds provide an easy and economical solution for reducing the hazard to both the utility's power lines and birds.*
- *The clamp is design to provide maximum grip force in order to maintain its position on wire under extreme vibration and motion due to high wind speed.*



## Technical Specification:-



- ✚ *Clamp Suitable for OPGW/EARTH conductor.*
- ✚ *Fully Complies with CEA Technical Parameters.*
- ✚ *MATERIAL- High strength polymer with working temperature range between -30deg to 100deg Celsius.*
- ✚ *Rubber contact between wire and clamp.*
- ✚ *More than 50% grip area.*
- ✚ *All metal parts are corrosion resistance work efficiently under all climatic conditions.*
- ✚ *Weight less than 400 gms*
- ✚ *Warning disk diameter 190mm±5 with total surface area approx. 28,000 mm<sup>2</sup> including air vents.*
- ✚ *Thickness of warning disk less than 4mm±2 with Special chemical additive which glows in dark with multicolour retro reflective tape.*
- ✚ *Total Retro refractive area on each face +5000mm.sq*
- ✚ *Total Glow in dark area +8,000 mm<sup>2</sup> approx.*
- ✚ *Height from wire contact point Less than 430mm.*
- ✚ *Tested for 100kg+ pull test and 25kg slip test.*