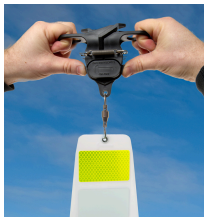
PRODUCT **DATA SHEET**

FIREFLY® Bird Diverter KS741FF4-16N



PRODUCT GROUP
BIRD DIVERTER

PRODUCT NAME
FIREFLY™

ARTICLE NUMBER
KS741FF4-16N - [E0668335]

PRODUCT
Bird diverter product including SNAPFAST™ clamp.

PRODUCT PURPOSE
Efficiently divert birds and protect them from collisions.
For wires with diameter 4-16mm.

DIMENSIONS	WEIGHT
320x110mm [H x W]	0.21 kg

DETAILED PRODUCT DESCRIPTION

Bird diverter consisting of a high-quality polymer SNAPFAST™ clamp with stainless steel springs, a stainless-steel rotary swivel, and a high impact polymer flapper plate with winglets to stimulate rotation, as well as rectangular orange and yellow reflectors on each side plus additional rectangular luminescent (afterglow) stickers on each side. Welded stainless steel rings connect the parts.

PURPOSE AND TECHNICAL FEATURES

Our bird diverters are designed to increase the visibility of power lines, conductors, cables and wires and help prevent potentially fatal bird collisions. They are proven to significantly reduce avian mortalities.

The purpose of this product is to warn both day and night approaching birds of such a marked powerline in their flight path since birds needs to be diverted during flight towards powerlines, especially during migration in spring and autumn.

It works towards approaching birds in 360 degrees due to movement by the wind and using coloured reflectors. The rotating flapper plate flickers to the approaching birds which warns them. The product is designed to efficiently divert birds at daylight by brightly reflecting sunlight including ultraviolet (UV) light, as many bird species also see in the ultraviolet spectrum. At dusk, dawn and night-time it will emit greenish luminescent light to warn approaching birds also in low light conditions since the afterglow charges during the day by sunlight.

OPERATING RANGES

- Temperature ranges: -30°C to +70°C
- Wind speeds not exceeding 20 m/s
- The product must not be used in coastal, desert, and/or industrial areas with high contents of acids, salts, sands, ashes, or aggressive gases.

TECHNICAL INSTRUCTIONS

For power lines/conductors/cables/wires:

- with diameter 4-16mm

The product shall be used as follows:

- Installed to life electric wire with a system voltage not exceeding 110kV on single conductor.
- Can be used on Earth / Protective Wire, OPGW wire on systems with any voltage.
- Distance between each FIREFLY™ must not exceed 10m.
- It has to be a distance between the pole/pylon and the FIREFLY™ of 5 m, according to the installation instructions below.

INSTALLATION **DATA SHEET**

Bird Diverter KS741FF4-16N

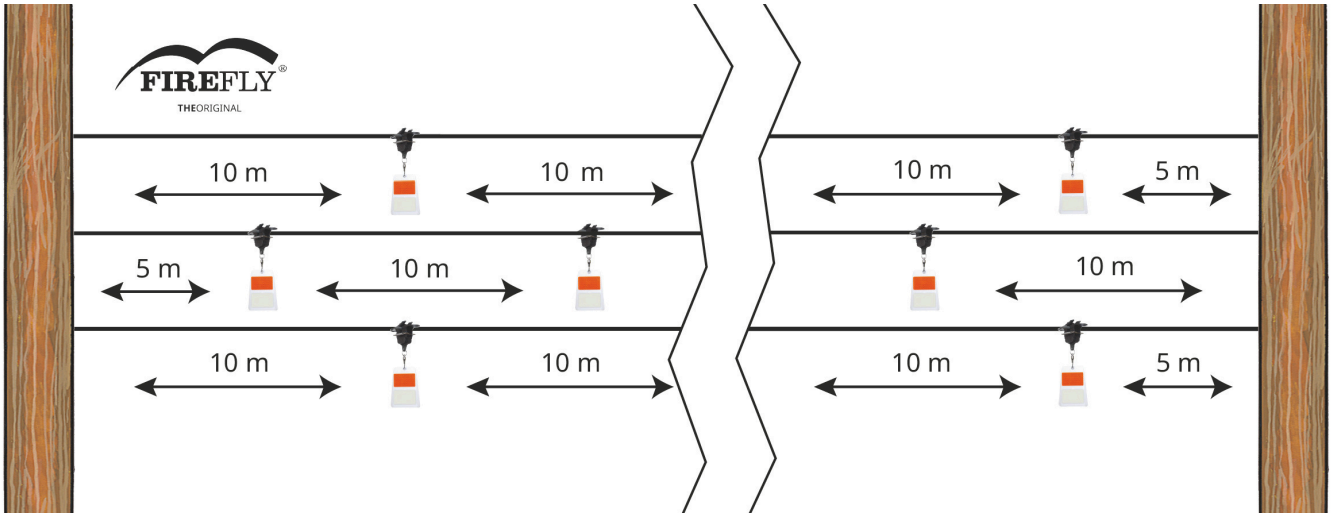
INSTALLATION INSTRUCTIONS

See separate Installation Instructions document. Examples:

DRONE INSTALLATION

FIREFLY™ can also be installed cost efficiently by special drone up to 300 pcs per day depending on landscape and weather condition. Deinstallation is also possible using a special drone.

RECOMMENDED DISTANCE FOR INSTALLATION



The distance between each FIREFLY™ Bird protection device has to be not longer than 10m, and 5m from the pole.

FIREFLY®
THEORIGINAL

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