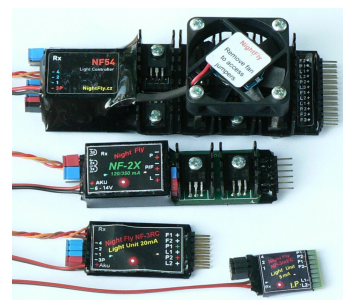


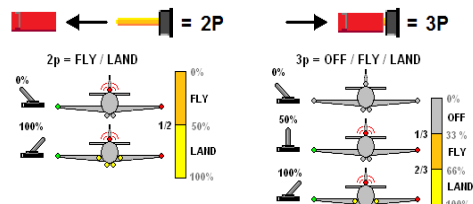
NightFly Product Overview

Lighting control units NF

The lighting control units are manufactured for a wide variety of types and sizes of models of airplanes, helicopters and UAVs. In comparison with similar products of competitors the outputs maintain the nominal current of LEDs in the wide range of voltage without the need to connect compensating resistance series in the circuit. Unit power input is protected against reverse polarity by diode and they are short circuit resistant. The units for bigger models have a built-in filter against interference. Lighting circuits are galvanically isolated from the receiver.



Currently there are 4 series of lighting units **NF1**, **NF2**, **NF3** and **NF5** available according to model size from small plastic models to big ones with a wingspan of two meters and more and functionality required.



The units allow to control the positional, flash and landing lights during the flight by one channel with two or three-position switch (see Fig. 1). The number and timing of flashes can be selected by using the jumpers on the control unit.

Fig. 1

Scale lighting kits for specific models of aircrafts

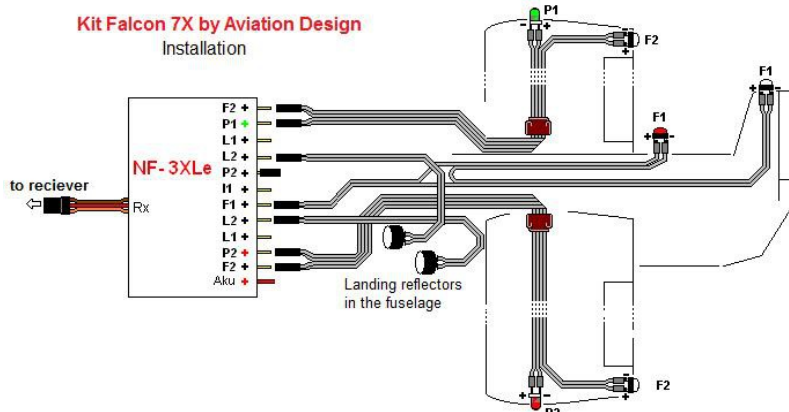
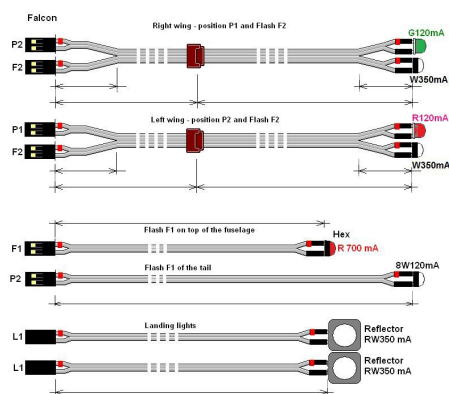
NightFly manufactures and supplies a complete lighting kits for different aircraft models, for example Fouga-Magister, Rafale, Falcon 7X, Mirage 2000, A10, Waco, and more.

The kit contains a lighting control unit NF of desired size and power, cables with LEDs, connectors and optionally lights caps.

NightFly designs and manufactures aircrafts lighting on order according to a specific customer requirements.



Cables and installation scheme for Falcon 7X



Afterburner simulators

Afterburner simulators are designed to imitate the flame on the output of turbine engines. Flexible strips and circles of different diameters are fitted with one, two or three rows of high-brightness LEDs in different color combinations and sizes.

Flame intensity randomly varies for achieving a realistic impression. The speed changes and light intensity is regulated by increasing the engine speed/throttle. These changes can be adjusted linearly or stepwise, which realistically simulates the afterburner function.



Currently there are 5 sizes of simulators **NF-Jet1** – **NF-Jet5** available. They are designed for the smallest models up to the biggest ones. **NF-Fire** series is designed for ship modelers to simulate the flame of a kerosene lamp.



Light effects

Gun fire simulators **NF-G** and **NF-M** are the newest units in the NightFly product line. They are designed to simulate combat airplanes machine-gun fire and missiles firing. A new product in this category is the running light.



The **NF-G** unit is designed to simulate warbirds and WW2 machine-gun fire. The unit has two outputs for shooting G1 and G2. Outputs produce 30ms current pulses with a cadence of 8 or 10 shots per second.

The **NF-M** unit is designed to simulate the combat airplanes missiles firing. It allows simulate launch up to 15 missiles that can be fired individually or in batches.

Servo inverters and retarders

NightFly units from Servo Accessories product range offer the possibility to reverse the servo movement direction (**NF-INV**) or to limit the speed of movement of servo at response to a change of deviation (**NF-SD**).

Accessories

Nightfly offers a complete range of accessories such as LEDs in various sizes, colors, caps and holders for LED lights, cables, adapters and connectors for a maximum comfort while assembling model lighting.

