

Running Light Unit NF-RL1

NF-RL1 (Running Light) controller is generator of running light effect. It allows to control 6 or 12 LED 350 or 700 mA. The output is doubled for use on the both right and left wing. The speed of light can be controlled by a receiver, for example by the gas channel.

The value of the nominal current output can be set by a jumper on the cooler. Output works at 350 mA without jumper inserted. When the jumper is inserted, then the value of the output current is 700 mA (See Fig. 1).

The unit is equipped with an electronic power supply switch that automatically disconnects it from the power supply, when the receiver is switched off or the receiver cable is ejected.

Inserted **SW on** jumper activates "uncontrolled mode" and the unit operates without connection to the receiver. Jumper **12/6** switches the control of the 6 or 12 LED series. Jumper **Fast** selects speed.

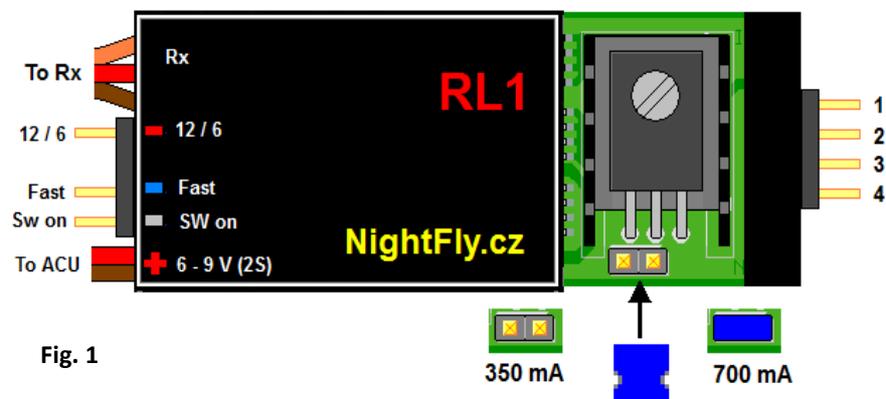


Fig. 1

The **Rx** cable is compatible with Graupner or Hitec-type connectors. The receiver circuits and the output are galvanically separated by an opto-coupler. The power input is diode-protected against reversing of polarity.

ATTENTION: Do not test the LEDs by connecting them directly to the accumulator. Without using a compensating resistance you would destroy them. When connecting the LEDs you have to observe the polarity. Do not look directly into the LED, risking damage to your eyes. Verify that the cables are positioned so as not to disturb the reception or other model devices.

The manufacturer is not liable for damages caused by the operation of the unit beyond the technical parameters and the above recommendations. Instructions for the implementation of socket adapters, cabling and more information about diodes can be found on the website.

Technical parameters NF-RL1

	min	typ.	max.
Operational Voltage [V]:	6	8	12*
Consumption [mA]:	10	15	20
Outputs [mA]:		350	700
Temperature:		0 – 70 °C	
Dimensions [mm]:		77 x 24 x 19	
Weight [g]:		28	

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* For power supply up to 8 V (2S), the output current can be 350 and 70 mA. For power supply of 12 V (3S), it is NOT possible to operate with 700 mA current.