

Wike RC Products

Optical Kill Switch

Version 1.0

10/10/2010

Overview:

The Wike RC optical kill switch is a low cost optically isolated ignition battery power cut on and off switch that is transmitter controlled. The longest wire plugs into a receiver channel that is typically assigned to a two position switch set at full throw (+/- 100%). The receiver is optically isolated from the ignition and ignition battery. On the ignition side of the Optical switch there is a battery input, a switch power output, and an LED that is on when there is power going to the ignition. The intent is that a hole can be drilled in the plane and the LED can be mounted so it is externally visible so that it is obvious when the ignition is on or off.

The output voltage is always the same as the battery voltage. The optical switch can be used for things besides ignitions. It can be used for smoke pumps and other devices.

Installation:

The longest lead of the IBEF is to be plugged into the receiver. The shorter lead female lead is the ignition battery connection. The shorter male lead is the ignition power output. The LED is on the output side and should be mounted externally. The optical switch should be mounted close to the ignition and not close to the receiver.

Specifications:

Input and output Voltage Range: 4.0 – 16 Volts

Output Current: up to 5.0 Amps (continuous and peak)

Temperature Range: -40 to 85 deg C (-40 to 185deg F)

Warranty and Support:

The optical switch comes with a 180 day warranty. The warranty only covers the optical switch. Always perform range tests. Warranty and support is available by emailing Wike RC Products at billw@nc.rr.com.