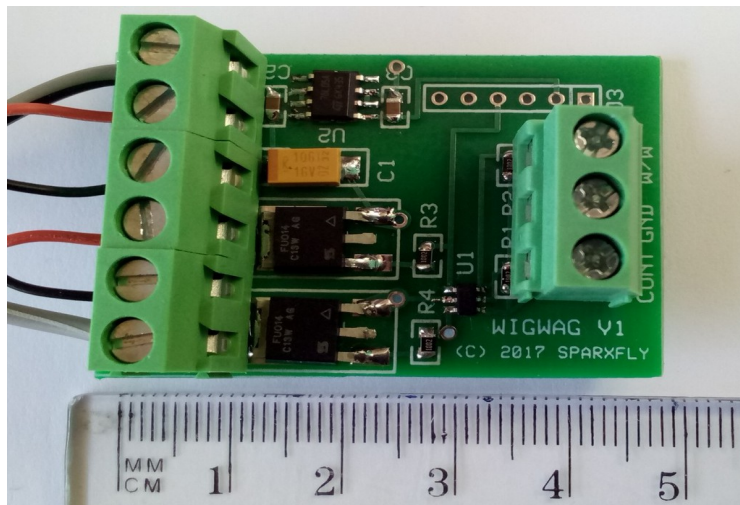


WigWag: landing and strobe light controller

V1

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What it is:

The WigWag controller controls your aircraft landing or strobe lights to improve the 'be seen' part of 'see and be seen' VFR flight. It flashes your landing or strobe lights in selected cadences to increase the chances of being noticed by other aircraft.

The controller can drive most LED landing or strobe lights. Just choose the lights that suit your aircraft and fit the WigWag module in the power and ground supply to the lights.

What it does:

The WigWag controller has 3 different cadences, selectable by either permanent links on the module or a pilot controlled panel switch.

- **LANDING mode.** Both lights always ON. W/W and STB inputs open. Use this mode with landing lights for general visibility- eg taxiing, ground operations.

LEFT _____

RIGHT _____

- **WIGWAG mode.** Alternating 1s left, 1s right. W/W input grounded. Use this mode with landing lights for improved collision avoidance.

LEFT _ _ _ _ _

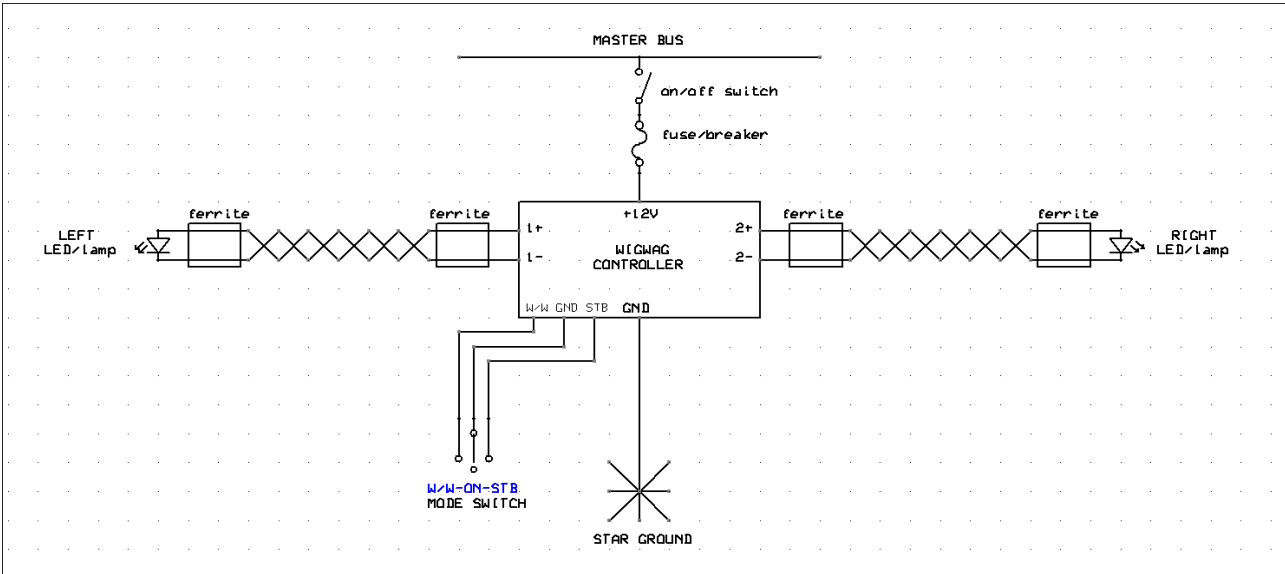
RIGHT _ _ _ _ _

- **STROBE mode.** Alternating rapid 4 flash left, pause, 4 flash right. STB input grounded. Use this mode with wingtip or fin/fuselage lights for improved collision avoidance.

LEFT

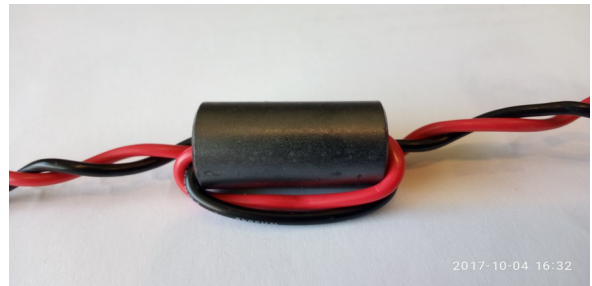
RIGHT

Installation:



The WigWag controller is installed between the landing or strobe light switch/breaker and the lights. A separate panel mounted mode switch selects the required cadence. The landing or strobe light switch controls the on/off state of the lights, with the controller driving them with the selected cadence.

To reduce RF interference, the wiring out to the lights should be of the appropriate gauge, with power and ground twisted together, and ferrite suppressors fitted at each end of the cable runs. Power should come off the master bus through a switch and breaker, and ground connected to the star ground on the firewall or airframe.



Specifications:

- Operating voltage: 12VDC nominal (10-15V limit).
- Lamp load: 5A (60W) each max.
- Physical: 50x30x15 mm naked PCB
- WIGWAG cadence: left/right alternating flash, 1 second each.
- STROBE cadence: 4 flash left, 2 second pause, 4 flash right, 2 second pause...

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