**AE FUEL GUARDIAN LOW FUEL ANNUNCIATION SYSTEM**

This system gets your attention before you have to switch tanks. When the annunciator light flashes, you will know your precise fuel quantity and also the time to engine shut-down for that tank. HOW DOES IT WORK? - The optical fuel sensor is a non-contact sensor mounted in a single hole in the fuel tank. It operates by bouncing a beam of light into the sensors lens. If it is reflected back into the sensor, there is no liquid present. If it is not reflected back, it is dissipated into the liquid media. The sensor output is pulled down, or activated electronics constantly monitors the sensor outputs of both tanks. When a low fuel level is detected, the appropriate light starts to blink, getting the pilot’s attention immediately. After the pilot sees the alarm, he can press the acknowledge button. This action turns the light on solid (continuous) denoting a low fuel quantity. This function of the annunciator eliminates the distracting flashing action of the lights for the pilot, yet he can still see that he has a low fuel indication. The AE Fuel Guardian also has an audio output that can be wired into the aircraft intercom or audio system if desired. The audio beep is only present when the annunciator lights are flashing. The AE Fuel Guardian annunciator lights can also be wired into the aircraft dimmer bus if desired for night flight. This system is 100% solid state and is compatible with 12VDC or 24VDC electrical systems. The installer selects the annunciators to provide low fuel warning at whatever level desired. System includes (2) annunciator panel lights, (2) optical sensors, (1) push button, Sensor drive and annunciator electronics enclosure, wiring, and lettering decals. For Experimental aircraft only.

**Kit With One Sensor**
P/N 10-01811 -$149.00

**Kit With Two Sensor**
P/N 10-00399 -$210.00

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**AE FUEL GUARDIAN LOW FUEL ANNUNCIATOR GAUGE METER**

One Button, Multi-function Aircraft Annunciator - Fuel Gauge, Several styles available (with low fuel warning and caution zones). Volt Meter & Current Meter (with low & high warnings and caution zones) A full service Aircraft Annunciator, Fuel Gauge, Oil Level Gauge, Volt Meter & Current Meter. Will display many different aircraft warnings. All devices feature user programmable alarms. Utilizes a push-button LCD display that is backlight with a 3 color LED. All functions are fully programmable by the user. The push-button/display can be used for programming, acknowledging the alarms, and paging thru up to 16 different screens or “ annunciator points”. Can automatically scan thru each screen or it can be done manually using the push-button. The pilot has the ability to mask or unmask annoyance alarms. NOTE: Input devices not included. It is up to the user to provide input devices such as fuel senders, shunts, oil level sensors and input switches to drive the AG6 DISPLAY & PUSH BUTTON

P/N 10-04180 -$169.95

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**AE FUEL GUARDIAN LOW FUEL LEVEL SENSOR**

Originally designed for small Lycoming engines, but can be utilized on several other engine types as well. Utilizes a 1/2” NPT fitting so that it can be inserted directly into the oil pan of most small Lycoming Engines. The 5/8” x 5/8” square bolt head of this sensor has been drilled (0.08” dia.) to accept a safety wire. Material: Stainless Steel construction Switch: Normally open when normal oil level, 30V @ 0.35A max. Temperature: -20°F to +280°F

You can utilize the “flashing panel light”, a relay, or utilize your own panel indicator. The maximum current draw for any light or relay is 0.2Acdc. The light can be mounted in the instrument panel using a 0.249” x 0.254” diameter mounting hole. The light will supply from a +12Vdc system. To make this system +24V compatible, you will need to add a 12V zener diode in series with our flashing panel light. AE Low Oil Level Sensor (sensor ONLY) P/N 10-01812 -$99.00

AE Low Oil Level Sensor with blinking red LED (LED blinks when oil level is low) P/N 10-03891 -$114.95

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**AE AIRSPEED SWITCH & RELAY BOARD**

RELAY BOARD USE: Control your Flap & Elevator Trim motors. This board allows you to use any inexpensive switch (Single Pole, Double Throw, (ON)-OFF-(ON), Spring Loaded, 3 Position) to control your flap & elevator trim motors. You can series as many switches as you desire control your flap & elevator trim motors. Free connection diagrams for relay boards and airspeed switch for several typical systems. AIRSPEED RELAY USE: Flap Deployment Protection at High Airspeeds. When our relay board is used with our airspeed switch, the slower speed is adjusted by supplying this relay board a lower motor drive voltage. RELAY BOARD SPECIFICATIONS Each board includes two independent, Single Pole, Double Throw Relays. Relay contacts are protected against inductive sparking generated from switching inductive loads such as motors. For use on 12Vdc systems. Switch currents up to 10 Amps. Boards are stackable to 3 levels high for saving panel space. Mounting hardware included.

AE Relay Board One- ......... P/N 10-01814 -$65.25

AE Relay Board Two Staked ......... P/N 10-01815 -$63.75

AE Relay Board Three Staked ......... P/N 10-01816 -$79.00

AE Airspeed Switch & Board ......... P/N 10-01817 -$93.00

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**SAFETY-FLY 700**

Safety-fly 700 is a useful universal control device for ultralight aircrafts that monitors in real-time, by means of warning lights and an acoustic buzzer, all the engine pre-alarm parameters listed below using the standard sensor signals installed on the Rotax engine, thus avoiding engine problems. Safety-fly 700 displays and checks:
- pre-alarm cylinder heads
- pre-alarm engine oil temperature
- pre-alarm minimum and maximum engine oil pressure
- green light for regular oil temperature
- fuel light for open taps
- the position of flaps on 3 levels
- timer set to 2 minutes

The calibration is done directly by the pilot, by means of the existing instruments installed on the dash-board.

Safety-fly 700 is supplied with wiring harness, connectors and operating manual. 3 year warranty. Made in Italy.

P/N 10-04934 -$195.00