

Header Tank Auto Fill Relay Model HTAF



- * SMART OPERATION
- * AUTOMATIC FUEL PUMP TURN ON and SHUTOFF
- * EASY INSTALLATION
- * FOUR PUMP TIMES (SELECTABLE)
- * OPERATE MANUAL MODE OR WITH ONE FUEL SENSOR
- * NEW DESIGN MINIMIZES WIRING
- * RELIABLE OPTICAL FUEL SENSOR
- * PUMP-UP COMPLETED SIGNAL
- * SLOSHING FUEL WILL NOT AFFECT OPERATION

DESCRIPTION

The HTAF is a “Smart” Header Tank Pump Relay. This device automatically keeps the aircraft header tank full without over stressing your fuel pump. A low fuel sensor (optional) can be easily mounted in the header tank to automatically detect low fuel. When low fuel is detected, the HTAF will pump up the header tank for a short time period, then automatically shut the fuel pump off. The HTAF is normally used with a very reliable optical fuel level sensor that can be easily installed in the header fuel tank. If the user is not able to install a fuel sensor in the header fuel tank, the HTAF can be set up so the pilot may manually activate the timed pumping.

The HTAF can be operated in one of four pre-programmed pumping times. The unit also has a relay output that can be used operate a light to indicate when the fuel in the header tank is low. The low fuel relay output is damped so that it does not falsely indicate low fuel in the case of sloshing fuel. The system can be powered by +12V or +24V electrical systems.

EASY INSTALLATION

The HTAF was designed to mount near the fuel pump or header fuel tank. This eliminates running extra wires thru the wing or fuselage. This mounting method also allows the installer to use a shorter run for the fuel level sensor wiring and not use additional wiring through the wing. The HTAF can also be installed in the fuselage if limited space is a factor.

SELECTABLE PUMPING TIMES

The HTAF may be operated in one of the four possible pre-programmed pumping times. The user may select 1, 2, 3, or 4 minutes pumping time.

SPECIFICATIONS:

Input Power: 12Vdc or 24Vdc, 0.1A max.

Enclosure: 3.5" x 2.25 x 1.25" (89mm x 57 x 32mm)

Fuel Sensor Mounting Hole: 0.475" (12mm)

Weight: 3.0oz. (93g), 3.3oz. (103g) with sensor

Pump & Pump-Down Outputs: 8A max.

Models: HTAF (includes sensor)

HTAF-ns (without sensor)