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Intairco iTM Interface

Users Guide



Overview

The iTM Interface has been specifically designed to integrate the iTrap Fuel Sensor(s) with a proprietary Telemetry enabled Radio Control System.

It has been develop to operate with Futaba, Jeta, Spektrum, JR and MPX Telemetry systems.

The Fuel Sensor's purpose is to detect substantial ingress of air in the Air Trap and to advise the operator of this via alarmed based Telemetry settings in the transmitter.

In the circumstance that the Sensor is exposed to air, it will send data to the TX making the alarm active for a minimum of 10 seconds. If the sensor has been recovered in this time, the iTM Interface will reset.

If the Sensor continues to be exposed the alarm will continue for a maximum of 30 Seconds after which it will switch off, assuming that there has either been a major fuel system failure or that the plane has simply run out of fuel.

The Fuel Sensor's purpose is to provide the operator of any impending fuel system issue on board and, upon hearing the alarm set on the TX, immediate action should be taken to land the plane to investigate the cause of air ingress into the iTrap.

It is not designed to advise operators that they are low on fuel and we stress that this device is not to be used for that purpose.

iTM Interface Installation

On the back of the iTM Module are two Dip Switches. These switches need to be positioned to suit the Radio System being used.

Please study the below pictures to identify the correct positioning of these Dip Switches to suit your radio system.

Jeti



JR & Spektrum



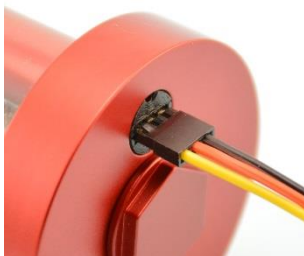
Futaba



MPX



Once you have positioned the switches correctly you will need to take one of the JR Patch Leads (included) and plug one end into the back of the iTrap itself and plug the other end of this lead into the iTrap Connection point on the iTM Interface. Please note the correct connectivity on the iTrap from the picture below.



On the iTM you will notice there are three other connections, the one marked AUX can be ignored entirely for now, it has been added for future expansion of the iTM Interface.

If you have a Spektrum Radio System please use the ZHR-4 Patch Lead (included), for all other radio types please use the other JR Patch Lead (included) and connect one end to the Telemetry Connection on the iTM Interface and the other to the Telemetry input on your radio systems RX.

JR, Jeti, Futaba and MPX



Spektrum



Telemetry Set Up

Each Radio Manufacturers Telemetry arrangements are different from one another so we have produced some videos showing how to set up the iTM Interface on your particular radio system.

You can view these at

<https://1drv.ms/f/s!AuE4S6QEot106QjRO7r-GjzfQ4MI>