FrSky Electronic Co., Ltd

FrSky Ampere Sensor
FAS-40

Instruction Manual

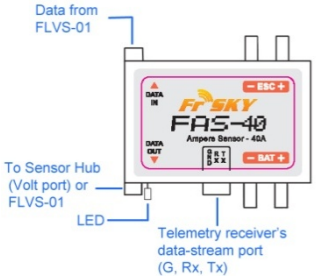
NOTICE: All instructions, warranties and other collateral documents are subject to change at the sole discretion of FrSky Electronic Co., Ltd. For further information please visit https://www.FrSky-rc.com and click on the support tab for this product.

*Thank you for purchase **FrSky Ampere Sensor (FAS-40)**. This product can be used to measure the Current (A), Power Consumption (mAH) of battery and/or ESC. In order to fully enjoy benefits of this system, please, carefully read the instruction and set up the devices as described below.*

- ⓘ ***Connect the servo and battery connector in the correct polarity**. Connecting the power + and – polarities in reverse by mistake may cause smoke, fire, and damage.*
- ⓘ ***Do not connect any other device (gyro, battery, etc.) other than servo to the servo connection port of decoder**. There is the danger of erroneous operation or damage.*
- ⓘ ***Do not disassemble or modify the product**. FrSky will not be responsible for disassembly or modification other than those specified by us.*

FrSky Electronic Co., Ltd will not be responsible for damage caused by combination with other than FrSky Genuine parts.

Specifications



- *Model: FAS-40*
- *Dimension: 31.5*24.5*5mm*
- *Weight: 9.7 g*
- *Measurement range: 0~40A*
- *Maximum safe current: 40A*
- *Sensor current consumption: 20 mA*
- *Update Rate: ⩾1Hz*

Set up

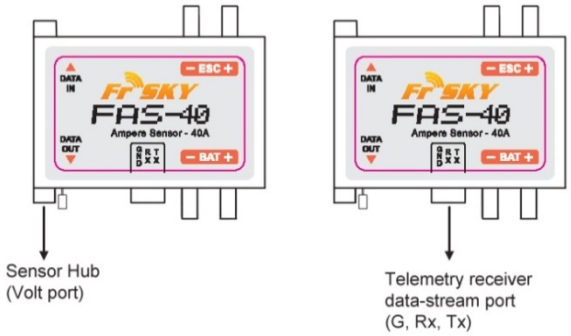
*The **FAS-40** is designed to easily install in any aircraft application.*

*The **FAS-40** should only be used with FrSky Two-Way (telemetry) receivers that provide data-stream port. Please refer to the manual(s) that accompanied your transmitter(s) and/or receiver(s) for proper connection methodology.*

***FAS-40** can be connected to FrSky Sensor Hub or FrSky telemetry receiver via **Digital Data-stream port (Rx)** directly.*

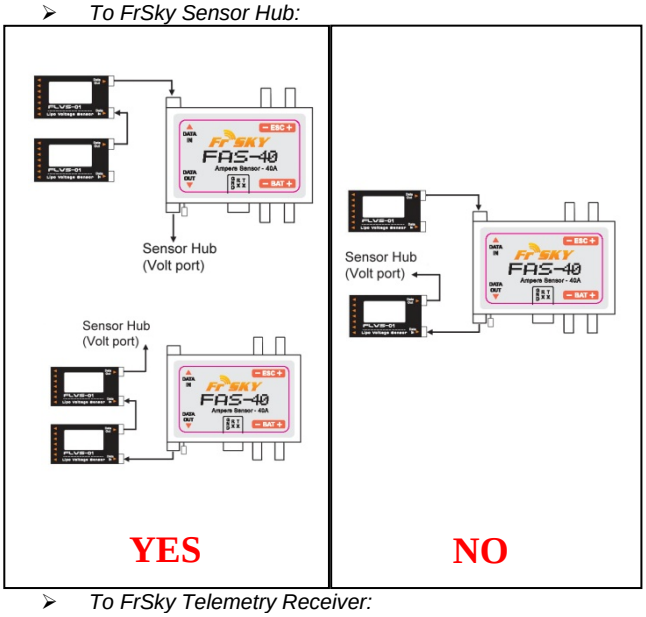
***FrSky FLVS-01** (FrSky LiPo Voltage Sensor) can be plugged onto **FAS-40** directly without **Sensor Hub**.*

- *Using the FAS-40, without FLVS-01:*

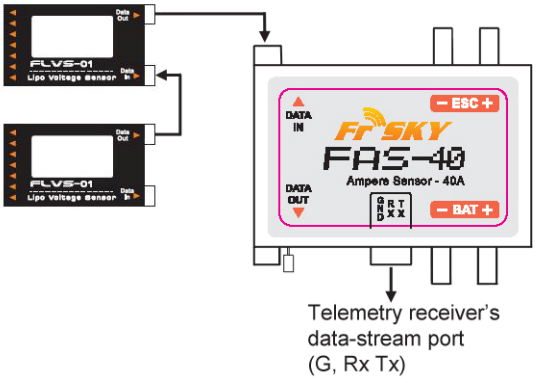


  - ➢ *To FrSky **Sensor Hub**:*
    *Connect the **Data Out** port of the **FAS-40** to the **Volt** port of the **Sensor Hub** via provided cable.*
  - ➢ *To FrSky **Telemetry Receiver**:*
    *Connect the **Telemetry (Tx, Rx, GND)** port of the **FAS-40** to the **Digital Data-Stream (Tx, Rx, GND)** port of FrSky Telemetry Receiver via provided cable.*

- *Using the FAS-40, with FLVS-01:*
  - ➢ *To FrSky Sensor Hub:*



  - ➢ *To FrSky Telemetry Receiver:*



Connect the FAS-40 with, at most, two FLVS-01 and connect the "telemetry" port (Tx, Rx, GND) of the FAS-40 directly to the "digital data-stream" port of FrSky telemetry receiver (D8R-II plus, D4R-II etc.) directly via provided cable.

*The **Battery** and **ESC** (Electronic Speed Controller) must be connected separately on the **BAT** port and **ESC** port.*
The flashing RED LED indicates your FAS-40 is under normal operation.

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