

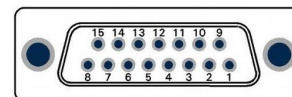
User Manual for Harness

My-EMS Base/Plus/Pro

Cod. 672010

Rev 1

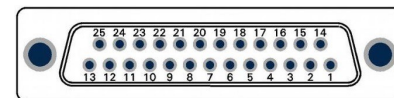
FLYBOX



VIEW FROM WIRING SIDE

Connector: "CON1" – DB15 receptacle connector

PIN NO.	SIGNAL TYPE	LABEL	LENGHT	SIZE	NOTE
1	INPUT	+V SUPPLY	100 cm	AWG 22	+V Main Supply
2 (WHITE) – 10 (BLUE)	I/O	CAN 1	100 cm	AWG 24 SHLD	CAN BUS 1 (Shield connected to pin 9)
3 - 11	INPUT	-	N/D	AWG 24	Jumper wire between pin 3-11 for CAN1 termination
4 (WHITE) – 12 (BLUE)	I/O	CAN 2	100 cm	AWG 24 SHLD	CAN BUS 2 (Shield connected to pin 9)
5 – 13	INPUT	-	N/D	AWG 24	Jumper wire between pin 5-13 for CAN2 termination
6	OUTPUT	ALARM OUT	50 cm	AWG 24	Alarm output
7	INPUT	SWITCH	50 cm	AWG 24	External switch input
9	INPUT	GND SUPPLY	100 cm	AWG 22	GND Main Supply
14	INPUT	GPS INPUT	50 cm	AWG 24	GPS Input
15	INPUT	RPM	100 cm	AWG 24	RPM Signal Input



VIEW FROM WIRING SIDE

Connector: "CON2" – DB25 receptacle connector

PIN NO.	SIGNAL TYPE	LABEL	LENGHT	SIZE	NOTE
9	INPUT	F. LEVEL L	50 cm	AWG 24	Left tank fuel level sensor input
10	INPUT	OIL P.	100 cm	AWG 24	Oil pressure sensor input
11	INPUT	CAT	50 cm	AWG 24	Carburetor Air Temperature sensor input
12	INPUT	FUEL FLOW	200 cm	AWG 24	Fuel Flow Signal Input
22	INPUT	F. LEVEL R	50 cm	AWG 24	Right tank fuel level sensor input
23	INPUT	OIL T.	200 cm	AWG 24	Oil temperature sensor input
24	INPUT	FUEL P.	50 cm	AWG 24	Fuel pressure sensor input

Loose wires - To be used depending on probes

PIN NO.	SIGNAL TYPE	LABEL	LENGHT	SIZE	NOTE
5	INPUT	CHT1 +	200 cm	AWG 24	CHT1 + (See Note1)
6	INPUT	CHT2 +	200 cm	AWG 24	CHT2 + (See Note1)
7	INPUT	CHT3 +	200 cm	AWG 24	CHT3 + (See Note1)
8	INPUT	CHT4 +	200 cm	AWG 24	CHT4 + (See Note1)
18	INPUT	CHT1 -	20 cm	AWG 24	Common CHT reference. If used connect to GND, preferably on the engine block (See Note1)
19	INPUT	CHT2 -	20 cm	AWG 24	Common CHT reference. If used connect to GND, preferably on the engine block (See Note1)
20	INPUT	CHT3 -	20 cm	AWG 24	Common CHT reference. If used connect to GND, preferably on the engine block (See Note1)
21	INPUT	CHT4 -	20 cm	AWG 24	Common CHT reference. If used connect to GND, preferably on the engine block (See Note1)

Note1: If using a resistive probe insert the crimped end into the relative connector pin (if using a thermocouple this wire is not needed)

The connector and terminals manufacturer's codes are:

Flybox P/N 105614 (15 poles D-Sub connectors, 25 poles D-Sub connector, 15 poles D-Sub shells, 25 poles D-Sub shell, female crimp terminals)

⚠ WARNING:

Insulate not used wires to prevent them from touching metal parts.

By confirming the order you confirm the specifications of the wiring as stated in this document. Should changes be necessary, they must be communicated before the order confirmation to sales@flyboxavionics.it.

ANY NON-STANDARD IMPLEMENTATION IS SUBJECT TO FEASIBILITY ASSESSMENT AND EXTRA COSTS.