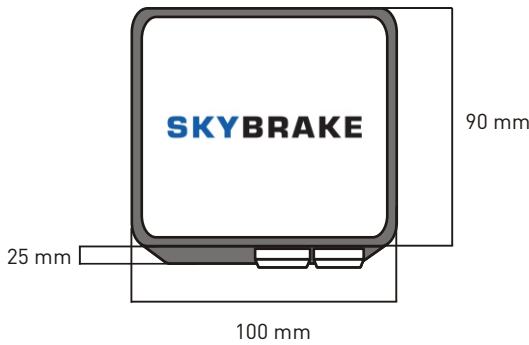


SKYBRAKE

F15 TECHNICAL SPECIFICATION

RESEARCH DEVELOPMENT MANUFACTURING

F15 TECHNICAL SPECIFICATION



Size and Weight

Height: 90 mm
Width: 100 mm
Depth: 25 mm
Weight: 150 g

Cellular

- ▶ Tri-band GSM/GRPS engine (900/1800/1900 Mhz)
- ▶ GPRS multi-slot class 10 / Class 8

Location

- ▶ NMEA, GGA, GGL, GSA, GSV, RMC, WGS-84 protocol compatible
- ▶ More than 49 channel GPS receiver
- ▶ Sensitivity: -160 dBm and -147 dBm
- ▶ Accuracy: <3 m CEP
- ▶ Anti-jamming technology
- ▶ GALILEO ready

Firmware

- ▶ Wireless firmware upgrade

Memory

- ▶ Built-in 1 MB flash

Power and Battery

- ▶ Built-in rechargeable lithium-ion battery
- ▶ Power supply 10 V ... 40 V DC

Environmental requirements

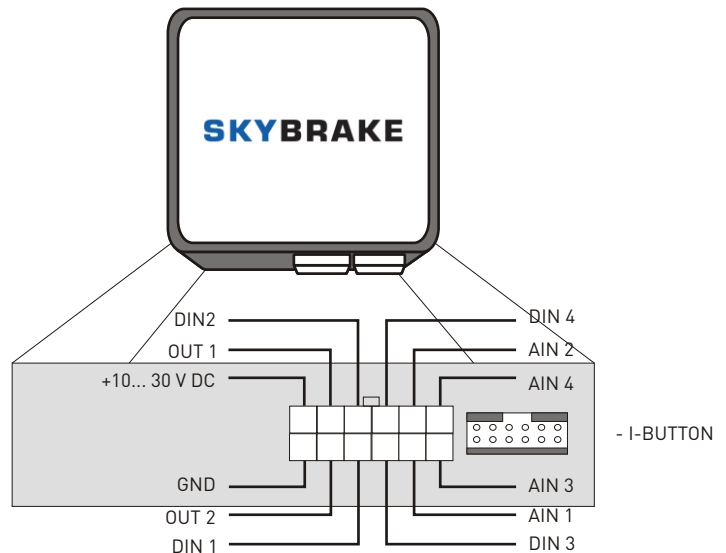
- ▶ Operating temperature: -20 ... +55 C
- ▶ Non-operating temperature: -40 ... + 85 C
- ▶ Relative humidity: 5% ... 95% noncondensing

Leds

- ▶ 1 communication status LED (green)
- ▶ 1 GPS status LED (red)

Inputs and Outputs

- ▶ 1 relay output
- ▶ 4 digit I/O
- ▶ 4 analog inputs
- ▶ 1 USB (service port)
- ▶ 1 SMA Connector



Features

- ▶ Stand alone mode if connection with server not available with intelligent memory control
- ▶ Intelligent data acquisition and transfer algorithm via GPRS (TCP/IP)
- ▶ Smart data roaming algorithm
- ▶ Sleep mode
- ▶ Acceleometer
- ▶ Realtime GPS and sensor data acquisition and transfer
- ▶ Restart button

In the Box

- ▶ Skybarke F15
- ▶ External GPS antenna with wire (2m)
- ▶ Documentation