



# FÉDÉRATION AÉRONAUTIQUE INTERNATIONALE

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## FAI AEROMODELLING COMMISSION (CIAM) ELECTRONIC DEVICES IN COMPETITIONS WORKING GROUP (EDIC-WG)

### References:

FAI web site: [www.fai.org](http://www.fai.org)  
CIAM website: [www.fai.org/aeromodelling](http://www.fai.org/aeromodelling)

**To:** CIAM web site under AMRT Approvals  
CIAM Technical Secretary  
F1 Sub Committee

**Copy:** Manufacturer Concerned

**Date:** 29 December 2021

### CIAM APPROVAL FOR F1Q Energy Limiter

**Approval Reference:** F1QEL001  
**Manufacturer:** ffelectronics  
**Manufacturer Contact:** [info@ffelectronics.com](mailto:info@ffelectronics.com)  
**Device Name/s:** SidusEL

- (i) *This document gives formal approval from the above date for the AMRT equipment described below to be used for competitions under the Sporting Code Section 4: Aeromodelling – Class F1 – Free Flight.*
- (ii) *This document is the initial approval for this type of AMRT and only applies to the functions relevant to the F competition class rules.*
- (iii) *Tests undertaken by EDIC-WG (or such representative as it may appoint), are specifically concerned with the functions relevant to the F1 competition class rules.  
Other functions of the equipment are not part of this approval and the relevance of this document does not extend beyond the specific validation and certification purposes mentioned above.*
- (iv) *This document does not constitute a guarantee of compatibility of the device listed above with any associated devices with which it may be interconnected.*
- (v) *This document does not constitute any guarantee and/or statement by EDIC-WG, CIAM and/or FAI as to the reliability of the device listed above.*
- (vi) *This approval is not concerned with National and other regulations relating to electronic equipment and compliance with such regulations is not the responsibility of the FAI.*
- (vii) *This approval is not concerned with, and the FAI has no responsibility for, matters related to:*
  - (a) *Intellectual property and intellectual property rights and/or,*
  - (b) *Relations of the manufacturer listed above with any other entities except with FAI and its agents or as they affect the FAI, its agents and this approval.*

## EQUIPMENT

### 1 HARDWARE

#### 1.1 Equipment Name

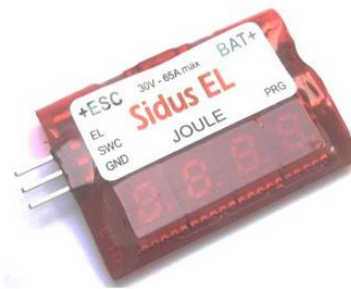
SidusEL

#### 1.2 Hardware Version

1.7

The hardware version is printed in silkscreen on the circuit board.

PCB solder mask colour is green.



### 2 FIRMWARE.

#### 2.1 Firmware Version

4.0

### 3 CONDITIONS OF APPROVAL

3.1.1 This Approval is only applicable to devices of the type described and manufactured to the same production standards as the example evaluated.

3.1.2 This Approval is not applicable to any device which has been subject to repair or modification by person(s) other than the original manufacturer or his authorised agent.

#### 3.2 Withdrawal of Approval

If after this Approval has been issued, inconsistencies of performance are found in further examples of the device(s), Approval may be withdrawn upon notice to the manufacturer.

#### 3.3 Changes to F1Q Class Rules

If the F1Q class rules are amended in any manner that affects the technical specification of the altimeter, the validity of this Approval will be subject to review.

#### 3.4 Expiry of Approval

This Approval remains active until it is either superseded or withdrawn. A list of all currently active Approvals can be obtained from the FAI CIAM website.

### 4 PRODUCTION STATUS

At the date issue of this Approval, the device is current production.

### 5 MANUFACTURER'S CHANGES

The manufacturer must make notification of any changes to hardware and/or firmware to the Chairman of EDIC-WG so that a decision can be made on any further testing that might be required to maintain CIAM Approval of the altimeter. This includes changes that are applicable to any additional functions of the device that do not necessarily form part of the F1 requirements.

Massimo Ursicino  
FAI-CIAM EDIC Working Group F1Q

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