



## Emergency Airworthiness Directive

**AD No.:** 2021-0224-E

**Issued:** 07 October 2021

Note: This Emergency Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 of that Regulation.

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EU) 2018/1139, Article 71 exemption].

### Design Approval Holder's Name:

PIPISTREL VERTICAL SOLUTIONS d.o.o

### Type/Model designation(s):

E-811 engines

**Effective Date:** 11 October 2021

**TCDS Number(s):** EASA.E.234

**Foreign AD:** Not applicable

**Supersedure:** None

## ATA 76 – Engine Controls – Power Controller – Replacement

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### Manufacturer(s):

Pipistrel d.o.o.

### Applicability:

E-811-268MVLC electrical engines, all serial numbers (s/n).

These engines are known to be installed on, but not limited to, Pipistrel Virus SW 128 (Velis Electro) aeroplanes.

### Definitions:

For the purpose of this AD, the following definitions apply:

**The SB:** Pipistrel Vertical Solutions d.o.o. (PVS) Service Bulletin (SB) SB-811-00-80-002.

**Affected part:** H300C power controllers, having Part Number 8117230000 and an s/n as listed in the SB.

**Serviceable part:** Any power controller, eligible for installation, which is not an affected part.

**Groups:** Group 1 aeroplanes are those that have an affected part installed.

Group 2 aeroplanes are those that do not have an affected part installed.



**Reason:**

An occurrence was reported where, during a ground test of an engine, uncommanded loss of power was experienced. Subsequent investigation results determined that certain H300C power controllers are equipped with an electronic component which does not perform its intended function.

This condition, if not corrected, could lead to engine in-flight shut-down, possibly resulting in a forced landing with consequent damage to the aeroplane and injury to occupants.

To address this potential unsafe condition, PVS issued the SB to provide replacement instructions.

For the reason described above, this AD requires replacement of the affected parts with serviceable parts and provides criteria for installation of power controllers.

**Required Action(s) and Compliance Time(s):**

Required as indicated, unless accomplished previously:

**Replacement:**

- (1) For Group 1 aeroplanes: Before next flight after the effective date of this AD, replace the affected part with a serviceable part in accordance with the instructions of the SB.

**Part(s) Installation:**

- (2) For Group 1 and Group 2 aeroplanes: From the effective date of this AD, it is allowed to install on any aeroplane a power controller, provided it is a serviceable part, as defined in this AD.

**Ref. Publications:**

PVS SB-811-00-80-002 original issue (A00) dated 06 October 2021.

The use of later approved revisions of the above-mentioned document is acceptable for compliance with the requirements of this AD.

**Remarks:**

1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
2. The results of the safety assessment have indicated the need for immediate publication and notification, without the full consultation process.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
4. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a product, part or appliance not affected by this AD, can be reported to the [EU aviation safety reporting system](#). This may include reporting on the same or similar components, other than those covered by the design to which this AD applies, if the same unsafe condition can exist or may develop on an aircraft with those components installed. Such components may be



installed under an FAA Parts Manufacturer Approval (PMA), Supplemental Type Certificate (STC) or other modification.

5. For any question concerning the technical content of the requirements in this AD, please contact: Pipistrel Vertical Solutions d.o.o. Vipavska cesta 2, 5270 Ajdovščina, Slovenia;  
E-mail: [maintenance@pipistrel.si](mailto:maintenance@pipistrel.si).

