



U.S. Department
of Transportation

**Federal Aviation
Administration**

Small Airplane Directorate
Chicago Aircraft Certification Office
2300 E. Devon Avenue, Room 107
Des Plaines, IL 60018

January 30, 2017

Mr. Ash Vij
Guardian Avionics L.L.C.
1951 East Airport Drive.
Tucson, AZ 85756

Dear Mr. Vij,

We received your letter of December 2, 2016 and final letter of January 30, 2017 submitting your statement certifying that your Carbon Monoxide Detectors meet the design and performance requirements of FAA Policy PS-AIR-21.8-1602 for Non Required Safety Enhancing Equipment (NORSEE) and is produced under a quality system that satisfies the requirements of the same policy. Based on our acceptance of your statement and 14 CFR 21.8(d), we authorize the manufacturing of your equipment as detailed by the part numbers that are shown in the following table:

<u>Article Name</u>	<u>Part Number</u>	<u>Authorized Function</u>	<u>Approved Replacement for</u>	<u>FAA Approval Basis and Approved Design Data</u>	<u>Installation Eligibility:</u>
CO Panel Mount	451-101	CO Detector	N/A	FAA memorandum number PS-AIR-21.8-1602 Drawing: 200 Rev.: H Date: 9/16/2016 or later FAA-approved revisions	Provided that the requirements of 14 CFR 1.1 and 14 CFR 43 Appendix A are met, equipment may be installed as a minor alteration on Aircraft Certified under 14 CFR 23,27,29 or precursor regulations, as outlined in FAA memorandum number PS-AIR-21.8-1602.
CO Remote Mount	451-201	CO Detector	N/A	FAA memorandum number PS-AIR-21.8-1602 Drawing: 200 Rev.: H Date: 9/16/2016 or later FAA-approved revisions	Provided that the requirements of 14 CFR 1.1 and 14 CFR 43 Appendix A are met, equipment may be installed as a minor alteration on Aircraft Certified under 14 CFR 23,27,29 or precursor regulations, as outlined in FAA memorandum number PS-AIR-21.8-1602.

This approval is based on the authorized function as stated in the above table. Uses outside of this authorized function have not been reviewed by the FAA to comply with the requirements of FAA Policy PS-AIR-21.8-1602 and may require additional evaluation. It should also be noted that NORSEE production approval does not grant Installation Approval Product Manufacturer Authorization (PMA) or Technical Service Order Authorization (TSOA).

We also accept the statement that your quality system meets the requirements of FAA Policy PS-AIR-21.8-1602. We authorize production of this NORSEE equipment at your Guardian Avionics L.L.C. manufacturing facility, located at 1951 East Airport Drive. Tucson, AZ 85756.

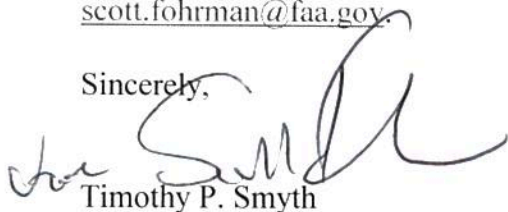
All major components of the articles produced under this approval must be permanently and legibly marked with the authorization holder's name, or trademark, or symbol, part number and "14 CFR 21.8(d)".

You must allow the FAA to inspect your quality system, facilities, technical data, and any manufactured articles and witness any tests, including any inspections or test at a supplier facility, necessary to investigate any service difficulty or possible non-compliance with FAA Policy PS-AIR-21.8-1602. Any service difficulties with the equipment should be reported to the ACO.

You must notify the FAA before making any changes to the location of any of your manufacturing facilities, company name or ownership. This approval is transferable to another U.S. manufacturer subject to the transferee complying with the NORSEE policy PS-AIR-21.8-1602 (or later policy revision) and design approval holders responsibilities stated in this letter of authorization.

This approval is effective until surrendered, withdrawn or otherwise terminated by the FAA. If you have any questions, please call Scott Fohrman, at (847) 294-7136, fax (847) 294-7834, email scott.fohrman@faa.gov.

Sincerely,



Timothy P. Smyth
Manager, Chicago Aircraft
Certification Office