



## **EC-Conformity-Statement**

For the device described hereunder  
interchangeable application / incomplete machine

Designation: Engine Idle Limiter (*Motor-Abschaltung bei Leerlauf*)  
Type: Model 277EC

it is stated that it does comply with the relevant requirements that are listed in Machine Directive 2006/42/EG and protection-requirements that are listed in EMC Directive 2004/108/EG as regards electromagnetic compatibility and that are listed in Low Tension Directive 2006/95/EG and the amendments to these directives. This statement is valid for all units that are produced according to current technical specifications and documentations. The Quality Management of FLIGHT SYSTEMS, Inc., guarantees the conformity to be kept. In the case of an alteration of the product not co-ordinated with the manufacturer this statement is no longer valid. Criteria to assess this product's conformity have been the following harmonized and national standards:

- \* DIN EN 474 – 1 thru 12:2009 Earth-moving machinery - Safety – Part 1: General requirements
- \* DIN EN 474 – 1, Para 5.16 Electromagnetic Compatibility
- \* DIN EN 13309 Construction machinery - Electromagnetic Compatibility of machines with internal power supply
- \* DIN EN 60529; VDE 0470-1:2000-09 Degrees of protection provided by enclosures (IP code) (IEC 60529:1989 + A1:1999)
- \* DIN EN 61310-1; VDE 0113-101:2008-09 Safety of machinery - Indication, marking and actuation - Part 1: Requirements for visual, audible and tactile signals (IEC 61310-1:2007)
- \* ISO 3795 Road vehicles, and tractors and machinery for agriculture and forestry – Determination of inflammable behaviour of interior
- \* ISO 6405 – 1 Earth-moving machinery - Symbols for operator controls and other displays – Part 1: Common symbols
- \* ISO 6405 – 2 Earth-moving machinery - Symbols for operator controls and other displays – Part 2: Specific symbols for machines, equipment and accessories
- \* ISO 15998 Earth-moving machinery - Machine-control systems (MCS) using electronic components - Performance criteria and tests for functional safety
- \* ISO 13849 – 1 Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design (ISO 13849-1:2006)
- \* ISO 13849 – 2 Safety of machinery - Safety-related parts of control systems - Part 2: Validation (ISO 13849-2:2008)

This statement liable for the manufacturer/exporter:  
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with information that resident in the EC as authorized  
representative to collect technical documentation is:

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is given by FLIGHT SYSTEMS' CEO

  
Robert D. Shaffner

Lewisberry, Pennsylvania, USA, April 2011

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Test report reference: EN 13309:2010  
 EUT: Model 277EC Engine Idle Limiter 12 V


Date of issue: 2011-05-04


**1. Test result summary**

EN Clause	Requirements	Test result			Report page number
4.2	Specifications concerning broadband electromagnetic interference radiated from construction machinery	Pass	Fail	N.t.*	7 - 8
4.3	Specifications concerning narrowband electromagnetic interference radiated from construction machinery	Pass	Fail	N.t.*	9 - 10
4.4	Specifications concerning the immunity of construction machinery to electromagnetic radiation	Pass	Fail	N.t.*	11
4.5	Specifications concerning broadband electromagnetic interference radiated from ESAs	Pass	Fail	<del>N.t.*</del>	12
4.6	Specifications concerning narrowband electromagnetic interference radiated from ESAs	Pass	Fail	<del>N.t.*</del>	13
4.7	Specifications concerning the immunity of ESAs to electromagnetic radiation	Pass	Fail	<del>N.t.*</del>	14
4.8	Electrostatic discharge (ESD)	Pass	Fail	<del>N.t.*</del>	15
4.9	Conducted transients	Pass	Fail	<del>N.t.*</del>	16

\* Not tested

<b>The equipment meets the requirements</b>	<b>Yes</b>	<del>No</del>
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Signature:   
 (Technician)

Signature:   
 (Manager)

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 Test report reference: EN 13309:2010 Date of issue: 2011-05-04  
 EUT: Model 277EC Engine Idle Limiter 24 V


**1. Test result summary**

EN Clause	Requirements	Test result			Report page number
4.2	Specifications concerning broadband electromagnetic interference radiated from construction machinery	<del>Pass</del>	<del>Fail</del>	N.t.*	7 - 8
4.3	Specifications concerning narrowband electromagnetic interference radiated from construction machinery	<del>Pass</del>	<del>Fail</del>	N.t.*	9 - 10
4.4	Specifications concerning the immunity of construction machinery to electromagnetic radiation	<del>Pass</del>	<del>Fail</del>	N.t.*	11
4.5	Specifications concerning broadband electromagnetic interference radiated from ESAs	<del>Pass</del>	<del>Fail</del>	<del>N.t.*</del>	12
4.6	Specifications concerning narrowband electromagnetic interference radiated from ESAs	<del>Pass</del>	<del>Fail</del>	<del>N.t.*</del>	13
4.7	Specifications concerning the immunity of ESAs to electromagnetic radiation	<del>Pass</del>	<del>Fail</del>	<del>N.t.*</del>	14
4.8	Electrostatic discharge (ESD)	<del>Pass</del>	<del>Fail</del>	<del>N.t.*</del>	15
4.9	Conducted transients	<del>Pass</del>	<del>Fail</del>	<del>N.t.*</del>	16

\* Not tested

<b>The equipment meets the requirements</b>	<b>Yes</b>	<del>No</del>
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Signature:   
 (Technician)

Signature:   
 (Manager)

**m. dudde**

Andreas Morsbach  
 International Management Assistant  
 International Office Manager



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