

# ECON - 4

**Speed governor for gas and  
diesel engines**

**SW version 1.4.1**

1 General information .....	2
2 Changes in the version 1.4.1 .....	3
3 Related information .....	4
4 Notes .....	5

# 1 General information

## 1.1 Version information

This document supplements the ECON-4 Global Guide 1.4.0

Error in firmware was repaired.

## 1.2 Clarification of notation

**Note:** *This type of paragraph calls readers attention to a notice or related theme.*

**IMPORTANT:** This type of paragraph highlights a procedure, adjustment etc., which can cause a damage or improper function of the equipment if not performed correctly and may not be clear at first sight.

**Example:** This type of paragraph contains information that is used to illustrate how a specific function works.

## 2 Changes in the version 1.4.1

### 2.1 Repairs

- ▶ Due error in firmware ECON-4 1.4.1 under some conditions (actual GasDose is higher than IdlePosition in moment when parallel operation is entered - GCB is closed) Throttle is opening to MaxFuel position 1min after parallel. It stays in this position forever, regardless of SGO Output until Parallel operation is finished.
- ▶ Workaround
  - It can be fixed temporarily changing nominal RPM - increasing by 1 and then decreasing to original value. But this will solve situation just until Power to ECON-4 is cycled. Final fix is just using new firmware - version 1.4.1 or newer in ECON-4 1.4.1

## 3 Related information

### 3.1 Available files

Firmware (*.mhx)
For ECON-4
ECON4-1.4.1.mhx

Table 3.1 Available firmware

### 3.2 Overview of all available hardware

	ECON-4
Binary Inputs	8
Binary Outputs	-
Analog Inputs	2
Analog Outputs	1
Communications	CAN1
RPM Inputs	2
Actuator Output	1

Table 3.2 Available hardware

### 3.3 Available related documentation

Documents	Description
<a href="#">Econ-4 1.4.0 Global Guide.pdf</a>	Thorough description of usage ECON-4 for control of engine. This Global Guide provides basic information how to install and operate ECON-4

Table 3.3 Available documentation

## 4 Notes

### 4.1 Document history

Revision number	Related sw. version	Date	Author
1	1.4.1	1.9.2016	Jiri Schiller