

## EC - MMS - 2522 - \*

## Machine Management System

### Description

MMS (Machine management System) controller with built-in advanced safety and fault-detection features to be used as a remote de-coding card for RS485 serial line connection to other MMS electronic units.

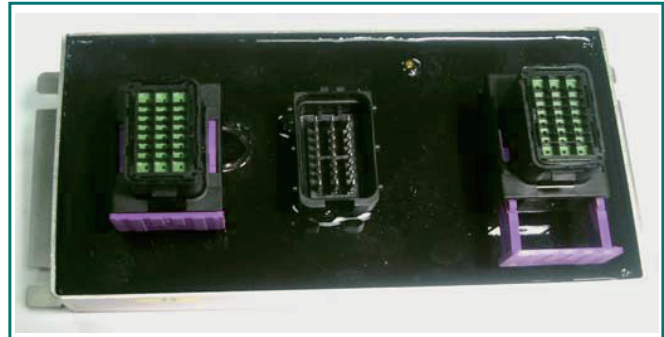
### Operation

It can be used as a standalone controller for applications or in conjunction with other MMS electronic units like Tecnord's Mod. MMS-4820

The MMS-2522 can be configured through a RS485 serial line.

Auxiliary safety microprocessor as option.

Serial connection for software download.



### Features

- Supply line is protected against reversed polarity and load dump.
- Inputs are protected against short circuits to GND and supply.
- Outputs are protected against short circuits, reversed polarity, over-current and over-temperature.
- 2-wires RS485 serial interface
- The current in the solenoid is independent of change in the coil resistance and in supply voltage variations.
- Especially designed for applications where high safety requirements are present.

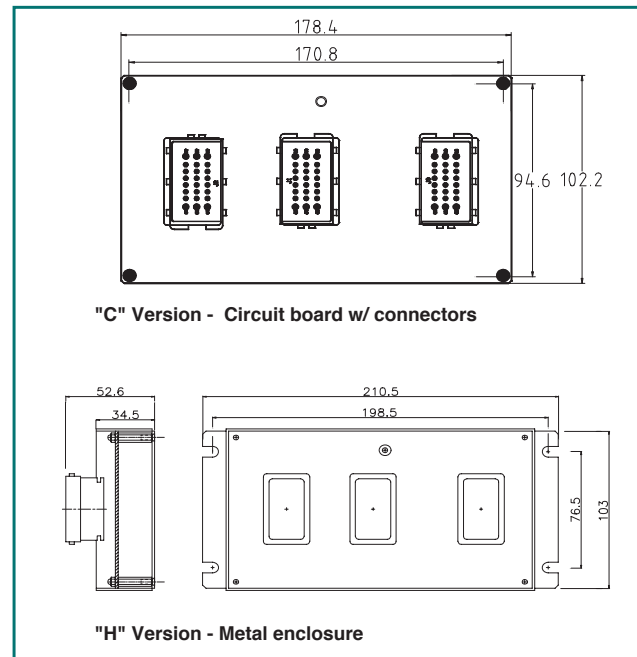
### Specifications

- Operating voltage: 8.5 - 30 Vdc
- Max current consumption: 0.5 A (no load applied)
- Operating temperature: -25 / +85 °C
- Degree of protection: IP67 (with housing)
- Analog inputs: 17x0-5 V (10-bit resolution)
- Input impedance: 100 kOhm
- Typical ctrl pot resistance: 1 - 10 kOhm
- PNP digital inputs: 6
- PNP/NPN optoisolated inputs: 2 (jumper selectable)
- Resolution: 10 bit
- High Side power outputs: 20 (5A max each)  
16 (if PWM outputs are used)
- Max current load on all outputs: 12 A
- PWM outputs channels: 4 x dual-coil prop. valves
- Current output range (PWM): 100-1000 mA
- Analog outputs: 2 (0-5 V)

### Applications

- 12 Vdc and 24 Vdc systems
- Open and closed loop systems
- Field - adjustable applications
- Two or more MMS boards can be interconnected by means of 2-wires RS485 serial lines where rotating joints or cable reels are installed

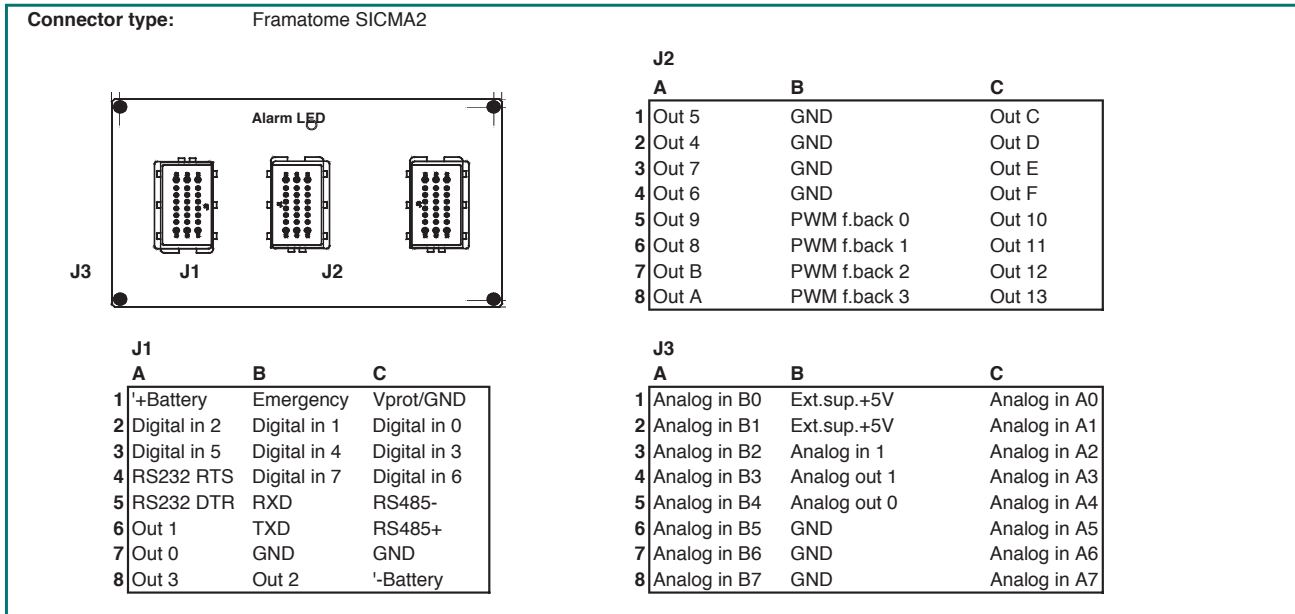
### Dimensions



**WARNING:** The specifications/application data shown in our catalogs and data sheets are intended only as a general guide for the product described (herein). Any specific application should not be undertaken without independent study, evaluation, and testing for suitability.

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### Circuit board pinout - Wiring diagram

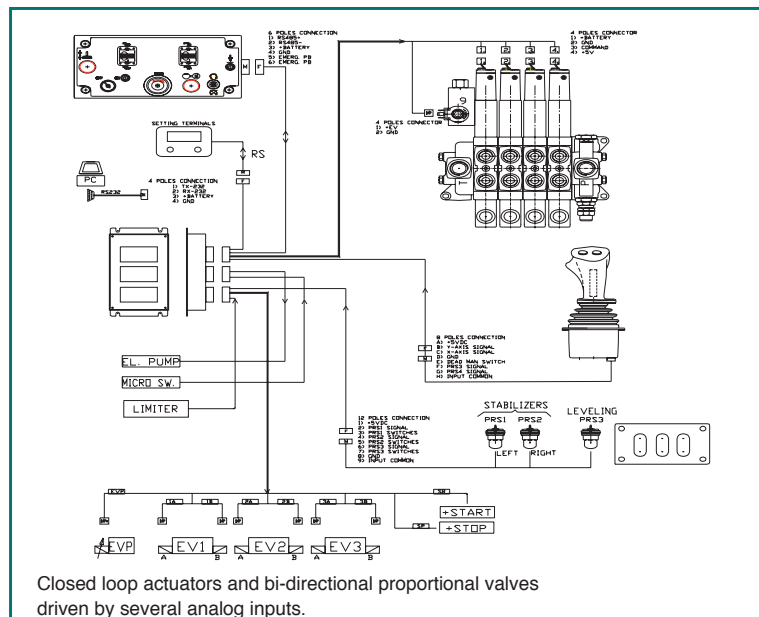


### Adjustments

Adjustments of the work parameters can be effected via RS485 serial line.

PC configuration tool is available

### Application example



### Ordering Information:

**EC - MMS - 2522 - \***

2522 = 25 inputs - 22 outputs

C = Circuit board with connectors  
H = plastic Housing for panel mounting

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