

Robust and versatile



EC-MMS-1521 is a new electronic controller from **Tecnord's** successful MMS

series for driving hydraulic manifolds and performing complex machine management logic. Together with its fully potted electronics and automotive connectors, its robust aluminum housing offers an advanced hardware design suitable for harsh environments and heavy machines.

EC-MMS-1521 is often used as the main control unit of machines in a variety of applications such as AWP's, cranes, forklifts and earthmoving equipment. The electronic circuits are designed to cover demands for implementation of security features up to Performance Level d, in mobile sector applications. They feature a dual microprocessor, a dual CANbus interface, as well as redundancy and diagnostics capability for the outputs.

Use of state-of-the-art technologies – such as a CANbus interface for data communication and solid state switches for the power outputs – allows effective cost reduction on the entire system, along

with increased reliability and reduced wiring complexity.

EC-MMS-1521 features various types of inputs to interface with different devices: 10-bits standard and high-resolution 16-bits analog inputs, digital inputs and frequency inputs for the measurement of speed. Furthermore, up to 12 PWM outputs with independent current feedback are available, together with two low-side outputs and separate power pins for safety.

As options, the EC-MMS-1521 may include an inclinometer, mainly used in automatic leveling applications, and can provide datalogger functions, thanks to a real-time clock.

The software is developed on the basis of customer applications and can be easily updated in the field.

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