

Press Release

Seville, May 9-13, 2005

The New Telemecanique Altivar 71 Variable Speed Drive: An Extensive and Consistent Range for High-Performance Applications

Altivar 71 is a Simply Smart Product, Compliments of Telemecanique.

This new generation of variable speed drives is characterised by the extent of its power range, a feature that enables control of asynchronous motors from 0.37 up to 500 kW for voltages of 200 to 240 V AC and 380 to 480 V AC.

Its advanced functions combined with exceptional open loop and closed loop performance provide an ideal solution to meet the requirements for complex and/or high power machines (materials handling, hoisting, wood machines, process machines, textile machines, packaging, etc.).

Reliable and robust, Altivar 71 assures continuous service. It withstands voltage drops of up to -50%, industrial pollution with its RFI filters and temperatures up to 50°C (without derating).

Altivar 71 takes safety fully into account: its numerous protective functions are simultaneously active at drive level, motor level (with its electronic relay and PTC probes) and machine level. Its "Power Removal" safety function prevents any unintentional starting of the motor, thus ensuring the safety of personnel (conforms to machine standard EN 954-1 category 3 and the standard for electrical installations IEC/EN 61508 SIL2).

Simple: The Incorporated Graphic Terminal Simplifies Programming

The performance of the Altivar 71 is only matched by its simplicity. Its front panel incorporates a graphic terminal. This simplifies and enhances dialogue with its easy to read messages, graphics, navigation button, function keys for short-cuts, online help, etc.

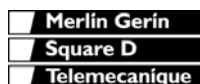
It is fully open to the needs of users with its versatility for customisation of the parameters, display screens, monitoring bar, etc. A "user" menu can also be created.

Its "**Simply Start**" menu enables quick start-up and immediate benefit of the full performance of the Altivar 71 in complete safety.

Application specific macro-configurations further simplify drive programming. The numerous services offered via the terminal simplify setting-up, monitoring and diagnostics of machines.

The Altivar 71 can be used with a Bluetooth® wireless link with PowerSuite software workshop (available on PC or Pocket PC), which is a configuration tool for the entire range of Altivar variable speed drives and Altistart starters.

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Expandable: More than 150 Functions Suitable for The Applications Specifications

With its 150 specialised functions, numerous inputs/outputs, onboard Modbus and CANopen communication protocols... the Altivar 71 provides a complete and economical solution that is suitable for the majority of machines.

For automation systems, specific functions are often required such as additional inputs/outputs, alternative communication networks, incremental encoder interfaces, etc. These functions are provided by cards that simply install in the drive (3 maximum, choice of cards).

With the "Controller Inside" programmable card, Altivar 71 becomes the heart of a true automation island. It can also pilot other drives and exchange any data. Its processing as close as possible to the motor control provides improved responsiveness.

Open and Available

With integrated Modbus and CANopen, Altivar 71 integrates in industrial automation systems without any extra costs.

Open, it has over 10 communication cards that cover all industrial communication networks.

On Ethernet, its Web server function offers worldwide accessibility... irrespective of location or time.

The Altivar 71 range conforms to international standards: UL/CSA, CE, C-Tick, GOST.

It has been developed according to the Eco-Design principle in conformity with the European directives ROHS (Restriction Of Hazardous Substances) and WEEE (Waste Electrical & Electronic Equipment) which relates to product recycling etc.

Other characteristics:

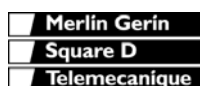
- Software and hardware compatibility with previous Altivar 58 and Altivar 68 generations
- Main functions: preset speeds, torque control, advanced hoisting functions, functions for textile machines, PID regulation, master/slave function, multi-configuration, etc.
- Included in the options available: IP54 mounting kit, RFI class B filters, anti-harmonic filters, NEMA type 1 adaptation kit, regeneration of energy on the supply line offer.

About Schneider Electric

Schneider Electric is the world leader in Electrical Distribution and Automation & Control. Through its brands, Merlin Gerin, Square D and Telemecanique, Schneider Electric manufactures and markets a comprehensive range of products and services for the residential, buildings, industry, power and infrastructure markets. Schneider Electric has 85,000 employees worldwide, operations in 130 countries and recorded sales of €10.4 billion in 2004 through the 13,000 sales outlets of its distributors.

Schneider Electric: Bringing the New Electric World to everyone, everywhere, at anytime

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