

ABB AUTOMATION FIRST WITH STOCK MOTORS IN Eff1

ABB Automation has become the first motor manufacturer to launch a full range of stocked motors in the highest European efficiency class, Eff1. The new motors will qualify for Enhanced Capital Allowances (ECA).

The M3000 motor is a fundamentally new construction with improvements to nearly all major components. Its main features are high efficiency, high reliability, easy installation and a wide range of add-on extras, for instance improved bearing condition monitoring. Designed for demanding continuous processes, such as pumps, stirrers and grinders in the chemical, paper, metal and cement industries, where energy consumption and reliability are major factors, it will also be useful for critical pumping and ventilation applications.

ABB is also launching a new range in the Eff2 class, designated M2000. This range of motors with standard features has been designed for applications with shorter running hours. All motors in the Eff3 class have been phased out, two years ahead of European Union guidelines.

"The two ranges enable us to satisfy the requirements whatever the application," says Nigel Evenett, manager of ABB Automation's rotating machines division. *"Our representatives will be able to assess the requirements in each individual case and tailor a solution for every customer. The aim is to minimise life cycle costs, ultimately making our customers more competitive."*

The improved efficiency will have a significant impact on running costs. For instance, a 90kW ABB motor with 95% efficiency can save over £12,000 over its life cycle compared to a competitor's motor with 92% efficiency, assuming continuous duty at a tariff of £0.05/kWh and a 10 year service life. The introduction of the Climate Change Levy in April is likely to further increase this gap in life cycle costs by approximately £1,000.

For more information contact ABB Automation Ltd, Didsbury, Manchester
Tel: 0161 445 5555 Fax: 0161 445 6066 Web: abb.co.uk - or enter 133 on enquiry card.

NON-CONTACT ROTARY SENSOR FROM GENTECH



The Power Components RS-50 long life sensor utilises Hall effect technology in a hermetically sealed, fully encapsulated plastic body to provide over thirty million trouble free operations.

The non-contact rotary position sensor, now available from switching, sensing and control system specialists Gentech International, features programmable rotational range and idle validation, and can operate with or without return spring and rotational stops.

The position sensor's operating temperature range is -40°C to +135°C, with +150°C available to order. Mounting configurations can be tailored to customer requirements.

The RS-50 is UL and CSA recognised and CE certified.

For more information contact Gentech International Ltd, Girvan, Ayrshire
Tel: 01465-713581 Fax: 01465 714974
Email: sales@gentech-international.co.uk
Web: www.gentech-international.co.uk - or enter 134 on enquiry card.

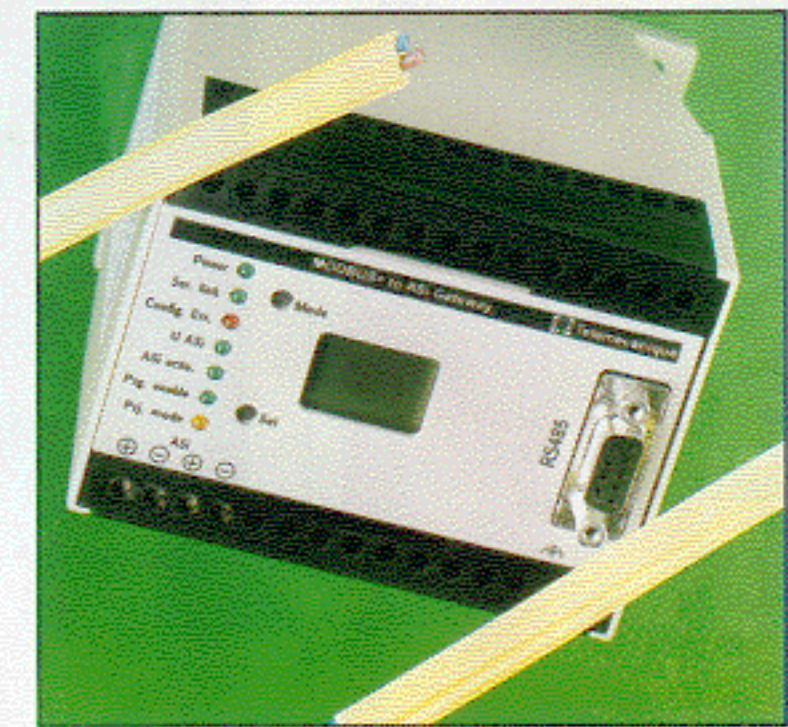
SCHNEIDER TAKES AS-I FURTHER!

Improved Modbus+ to AS-i gateways, AS-i interfaces for Magelis display terminals and Altivar 58 variable speed drives, and an AS-i master module for the Modicon TSX Quantum programmable controller are the latest additions to the fast-growing range of AS-i products from the Modicon and Telemecanique brands of Schneider Electric.

The new Modbus+ to AS-i gateways offer a straightforward method of linking networks using two of the most popular and widely used protocols. This new version, V3.1, incorporates the innovative PEERCOP software, which simplifies the integration of programs for the programmable controller by allowing each input and output on the AS-i network to be handled individually.

With the introduction of the compact XBT ZA994 module, Magelis becomes the first range of electronic human-machine interface (HMI) products to offer direct connection to AS-i. Using the new module, up to 127 application messages, 111 alarm messages, 12 function keys and the enter key within the Magelis terminal can be accessed via the AS-i bus, making this arrangement a particularly versatile and cost-effective HMI solution.

For more information contact Telemecanique, Schneider Electric Ltd, Warwick Science Park, Coventry. Tel: 024 7641 6255 Fax: 024 7669 0209 - or enter 135 on enquiry card.



NEW ISERIES NOW WITH EMBEDDED INTERNET

In February 2000, OMEGA launched the iSeries range of meters/controllers.

The iSeries are now the worlds first web enabled Controllers, panel meters, transmitters and signal conditioners.

The Embedded Internet option enables the iSeries range of instruments to connect to an Ethernet network with a standard RJ-45 connector.

Once connected, the devices can then serve web pages over an Ethernet LAN or even over the Internet, making it possible to monitor and control a process through a web browser from anywhere in the world.

In fact, the device can even send an email to an operator alerting them to an alarm or updating the status of a process.

These small instruments are full stand-alone Internet appliances. The Ethernet and web server capability is actually embedded in the device.

The iSeries instruments have extended 5-year warranty as standard and prices start at £160. For more information contact Omega Engineering Ltd, Irlam, Manchester
Tel: 0161 777 6611 Fax: 0161 777 6622 e-mail: sales@omega.co.uk Web: www.omega.co.uk - or enter 136 on enquiry card.



NOW SAREL HAS GLANDS AND DUCTS!



Ranges of high quality cable glands and rigid PVC cable ducting are now available from Sarel, a brand of the Schneider group. The cable glands are offered in economical standard versions, and in types specially designed for hazardous area applications, while the ducting features a perforated base which makes installation speedy and straightforward.

Sarel cable glands, manufactured from Polyamide 6.6 reinforced with fibreglass are virtually impervious to chemical attack, and highly resistant to the effects of heat and fire. Standard glands, grey in colour, are offered in ten sizes with threads from PG7 to PG29 complete with sealing rings, lock nuts and gaskets. Correctly installed, they have an IP66 environmental protection rating.

For use in hazardous area applications, special nylon cable glands with EEx c II certification are available in nine sizes with ISO threads from 12 to 63mm, and feature anti-jump threads for ease of installation. They provide environmental protection ratings up to IP66, and are suitable for use over the temperature range -20°C to +110°C.

Cable ducting from Sarel has slotted sides with snap-off tongues between slots, ideal for use in control panels and similar applications where cables enter and exit the trunking at numerous points. The snap-on lid is retained firmly in place after fitting, ensuring maximum protection for the enclosed wiring.

Sarel cable ducting is RAL7030 grey in colour, and is available in a wide range of sizes from 25mm x 25mm to 125mm x 75mm. All sizes are supplied in convenient two metre lengths, complete with lid.

For more information contact Sarel, Schneider Electric Ltd, Swindon, Wilts.
Tel: 01793 514774 Fax: 01793 533046 - or enter 137 on enquiry card.

BARTEC 18.1 and 14.5' EExd PC's and Remote Workstations

The 18.1' & 14.5' Remote Station from BARTEC is a PC-display with keyboard and mouse, for installation in Zone 1 and Zone 2 explosion hazardous areas. This allows for DCS and SCADA software applications to be accessible to operators and engineers at the point of process.

The BARTEC Remote Station's operate as a second operator console connected back to a PC or UNIX system based in the safe area. Connections are made easy with only a 4-pair STP cable.

The 18.1' Remote Station has a TFT display with SXGA-resolution.

BARTEC can also supply a 14.5' EExd PC suitable for direct mounting in Zone 1 & Zone 2 explosion hazardous areas. The BARTEC units do not require any external barriers. All units certified EExd [ia] IIB T4.

18.1' EExd Remote: 18.1' TFT SXGA; 1,280 x 1,024 pixels; 16.7 million Colour.

14.5' EExd PC: 14.5' TFT XGA; 1,024 X 768 pixels; AMD-K6 350 MHz; 128MB DRAM Ethernet 100 base T; RS422 ports; Windows 95 or NT.

14.5' EExd Remote: 14.5' TFT XGARS232 & 1,024 X 768 pixels

For more information contact Bartec (UK) Ltd, Whitworth, Rochdale, Lancs.
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Email: Bartecuk@ukbartec.de
Web: <http://www.Bartec.co.uk> or enter 138 on enquiry card.

