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PRODUCT NEWS

Pilz unveils extensive range of new operator terminals

Pilz Automation Technology is launching a number of new human-machine interfaces, ranging from a compact diagnostic unit for use with Pilz safety-related control systems, to large, powerful units compatible with leading models of PLC or for use with custom software.

The first of the new products, the PMI m309 diag, is a compact, intuitive diagnostic unit that incorporates a 10/100Mbit/s Ethernet interface. Designed for use with safety-related control systems based on Pilz PSS safety and control systems, SafetyBUS p networks or PNOZmulti modular safety systems, it displays diagnostic messages in plain text on a 3.5inch colour TFT display. Operation is via either a touchscreen or pushbuttons.

Built into the PMI m309 diag is the Pilz PVIS 'intelligent' diagnostics that enable manufacturers to benefit from simple programming, while users gain from the clear diagnostic messages and practical instructions that aid rapid fault rectification. The predefined diagnostic texts can also be edited or completely rewritten when the unit is being configured, and the PMI m309 diag can be set to provide the name of the relevant contact for each fault. This ensures that the machine operator can notify the relevant specialist immediately, so the fault can be rectified more quickly.

Measuring just 87 x 157 x 52mm and featuring an IP65 front panel, the PMI m309 diag is compact and easy to install on machines with Pilz safety-related control systems. In addition, as this unit uses the same panel cut-out dimensions as the Pilz PX 20 text display, it is useful for upgrading existing equipment.

If greater functionality is required, the PMIvisu operator panels are available with screen sizes ranging from 6.5 to 15inches. As well as being fully compatible with Pilz safety-related control systems, the PMIvisu touchscreen operator terminals can also be used with leading makes of PLC for plant visualisation and diagnostics. Alternatively, the terminals are available as PMIopen models with Windows CE-based graphics systems that can be used with custom software for a wide variety of monitoring, diagnostic and control applications.

PMIvisu units are equipped with a 400MHz or 624MHz RISC processor, and customers can specify the following expansion options: four USB ports, one audio port, one PCMCIA slot, one LPT port, one VGA port and one PS/2 combi port. In addition, communications options include MPI, Profibus DP and CANopen. Front panels are sealed to IP65 and the units can operate in temperatures from 0 to 55 degrees C and in a maximum relative humidity of 95 per cent.

Identical processors are used in the PMIopen units, all of which have an RS232 port, RS232/422/485 port and a 10/100Mbit/s Ethernet port. Expansion options are the same as for the PMIvisu models.

Whatever customers require for displaying diagnostic data, monitoring machinery or plant, or for other visualisation applications, Pilz now offers an extensive range of rugged, high-quality products.

Please contact Pilz to request more information about PMI operator terminals by emailing sales@pilz.co.uk or visit www.pilz.co.uk

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Note to editors

Pilz Automation Technology develops, manufactures and supplies process and automation control products for use wherever there is a requirement to ensure the safety of plant, personnel or the environment. Included in the range are: safety relays; configurable safety controllers; programmable safety systems (safety PLCs) for use with or without the SafetyBUS p safe, open industrial fieldbus network; mechanically actuated and non-contact guard switches; safety light curtains; 2D and 3D vision-based safety sensors; emergency stop switches; conventional and touchscreen operator interfaces; plus control and monitoring relays for non-safety applications.

In addition, Pilz provides safety-related services, such as training, engineering, consultancy and competence management. For 20 years Pilz has taken a leading role in educating the market with regard to safety legislation. This has been through seminars on legislation, software packages that assist with standards compliance and product selection, and publications. Pilz has produced six editions of the *Guide to Machinery Safety*, a *Guide to Programmable Safety Systems*, and publishes a free monthly email newsletter

Pilz Automation Technology is a wholly owned subsidiary of Pilz GmbH & Co KG, a family-owned German company with global operations. Since its foundation in 1948, Pilz has remained at the forefront of safety technology, launching the first safety relay the first programmable safety system, the first safe, open fieldbus system (SafetyBUS p), the first solid-state safety 'relay', the first software-configurable modular safety controller, and the first safe camera system for monitoring three-dimensional zones. Future developments will see safety technology being integrated more closely with standard control, such as in servo drives with safety functionality.

Editors should contact Pilz if they would prefer to receive future press releases electronically or by post.

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