PILZ
THE SPIRIT OF SAFETY

Press Message

Access permission plus operation mode selection now modular - fusion of safety and security

Ostfildern, 14.02.2019 - **With PITmode fusion, Pilz now offers a modular operating mode selection and access permission system. The modular system is characterised by more flexibility for functionally safe operating mode selection and for the control of access permissions to plant and machinery. This way, PITmode fusion enables efficient operation mode selection and access permission management that covers both safety and security specifications.**

The new PITmode fusion from Pilz consists of the reader unit PITreader with RFID technology and integrated web server and a Safe Evaluation Unit (SEU). Its modular design allows PITmode fusion to be integrated individually into the design of existing control consoles. Existing pushbuttons can be used, enabling better operation for the user. PITmode devices are used on plant and machinery in which you switch between a range of control sequences and operating modes.

Access only with permission!
Authorised users receive the machine enable suited to their individual task on a coded RFID transponder key. You can define up to five safe operating modes, such as automatic mode, manual intervention under restricted conditions or service mode. The key is inserted into the control console, the SEU detects the specified operating mode and PITreader ensures functionally safe switching. So accidents, misuse and manipulation are prevented. Users benefit from higher availability of their machines.

"Security plus"

The RFID keys are read and taught in the PITreader. To increase protection against manipulation, they can be coded with company-specific programmed PITreaders, that is, the keys include a password-protected signature. Any keys that do not have company-specific coding will be denied access. In addition, RFID keys and PITreader can be used to implement a group-based permission management. In this case the various enables are transferred to whole groups with the same access permissions instead of individual persons. This simplifies the assignment and administration of access permissions, particularly with companies in several locations, including internationally. The administrative effort is reduced and time will be saved.

Open for further tasks

You can use PITmode fusion to implement a wide range of functions beyond access permission and operation mode selection. It may be a simple enable that replaces a key switch at the control console, or access permission for machine subfunctions. On top of that, a complex hierarchical permission matrix with various groups and permissions can be created in the free user area. These functions are bundled on the RFID key, replacing additional mechanical keys or access cards. This will make handling easier for the user.

Flexible to use versions

Two other versions of the PITmode are available in addition to the modular version. PITmode is a compact all-in-one device that includes the pushbuttons for operating mode selection and the SEU, which enables a space-saving installation. The reader unit PITreader can be used to control access permissions, and is particularly flexible as a standalone device or in conjunction with a Pilz controller such as the configurable small controller PNOZmulti or the automation system PSS 4000. PITmode and PITmode fusion offer functionally safe operating mode selection and access permission up to PL d.

Pilz is exhibiting in Hall 9, Stand D 17. Further information is available here

Caption: The modular operating mode selection and access permission system PITmode combines safety and security in one system.

You can find texts and images at www.pilz.com also for downloading. To go directly to the relevant internet pages in the press centre, enter the following Web code in the search of the home page.: **199138**

The Pilz Group

The Pilz Group is a global supplier of products, systems and services for automation technology. Based in Ostfildern, near Stuttgart, the family-run company employs around 2,400 people. With 42 subsidiaries and branches around the world, Pilz supplies safe solutions for people, machinery and the environment. The technology leader offers complete automation solutions comprising sensors as well as control and drive technology – including systems for industrial communication, diagnostics and visualisation. Consulting, engineering and training round off its international range of services. In addition to mechanical and plant engineering, solutions from Pilz are used in many sectors such as wind energy, railway technology and robotics.

www.pilz.com

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In our social media channels we give you background information concerning the company and the people at Pilz, and we report on current developments in Automation Technology.

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