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Milock TriTronic

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MORE THAN JUST SECURE



Effective personnel and security management has long been a keystone of modern company strategy. At Miditec Datensysteme GmbH, we recognised this early on. For over 20 years, we have been developing and implementing reliable and creative project solutions for time-recording and security systems – with customised hardware and software from one source. However large the company, whatever the industry, we have the solutions, from single-user to complex systems.

The new electronic Milock-Tri-Tronic lock cylinder from Miditec may be small but it offers three big advantages: first, the TriTronic works with an ISO standard transponder, second, it combines traditional mechanics with the latest electronic security technology, and third, it can be linked into a higher level online, networked, access control system.

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The new Milock TriTronic



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ISO Transponder

In large locking systems keys have been outmoded for some time. They are expensive to purchase and present a high security risk if they fall into the wrong hands. Transponders in the shape of key fobs or credit cards are cheap, can be produced in the company's corporate livery, and can be blocked at any time. They work easily and requiring no physical contact they avoid any wear and tear on the ID units. In fact since the door is operated as a result of an interaction between transponder and locking cylinder, neither the reading process nor the door activation require any physical contact. The reader is activated without pressing any button or turning any knob - which avoids tiresome complications and improves user convenience. After all turning the knob, then presenting his card, and then turning the knob again in order to open the door makes little sense to the user. So with the Milock TriTronic, when the card is presented,

the reader is activated, the card is read, and - given the appropriate authorisation - the door is unlocked. The Milock TriTronic works with standard ISO 7816 transponders so these transponders can also be used for other applications such as electronic cash. As a rule, the IDs used in a Miditec access and time registration systems can be used and be personalised using MTZ Business Solutions software.

Mechatronics

The electronic lock cylinder has two distinct advantages over the mechanical lock cylinder. It is much more difficult to tamper with, and its access rights can be time-limited. So for example, a storeroom can be made accessible during normal working hours, but at night or at weekends it can only be entered by the stores manager, the general manager and the security staff. The locking rights are stored in the transponder and not in the cylinder and are updated by a day ticket, i.e. by entering it in a

networked read-write-reader. The settings for this extension of the authorisation rights can be selected at will and might be for 4 hours or 24 hours. With the Milock TriTronic the door has the same outward appearance, and compared to mechatronic fittings, the cost of installation is low. Besides this, the TriTronic's decision logic for the access control functions and its batteries are located inside, in the protected and tamper-proof zone. The integral entry log offers the facility for calling up the functional history of a door so that later it is easy to establish when and by whom the door was opened.

Higher level access control

The Milock TriTronic can be used as a simple stand-alone solution. However its full potential is only realised if it is linked into a MIDITEC higher level, online networked MTZ Business Solutions access control system. Using the MTZ Access software package the access

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system becomes a security system. Space and time access rights are managed easily with web-compatible software and transferred to the appropriate readers in real time. Access groups make setting up easier, but individual access rights can also be set for each individual person. In addition, functions such as PIN code, treat code, biometrics, repeat access barring, area change control or dual keys can be freely combined and employed. When expanded with additional modules such as MTZ Visitor or MTZ Building Security Management the customised combined system produced provides security for buildings, people and sites.

The MTZ Building Security Management Software developed by Miditec is a monitoring and management tool for access and alarm systems as well as CCTV systems. The position and status of alarm reports, access readers and doors can be visualised and managed using

the site plan. Live pictures can also be transmitted, and recorded, event-related video footage retrieved. In contrast to traditional systems where access control and CCTV have fully separate systems, the Bosch Divar Video System can for example be integrated into the MTZ Business Solutions so that everything is monitored and managed through one system. In which case the 'Access evaluation' box provides not only the access log for a particular door but also the relevant video pictures without the need to go elsewhere for them. The Milock TriTronic electronic locking cylinder expands the Miditec-range of products to include access control, time management and security. MTZ Business Solutions system software offers not only facilitates control of

the access settings, and the intruder alarm, the management of the car park, the calculation of staff working hours, but also the printing of visitor passes, retrieval of video recordings and the inclusion of mechatronic locking systems such as the Milock TriTronic – whatever the customer and the site conditions require.

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