The digitalisation of lift doors sets new standards in communication via CANopen

With the 3rd generation MiDrive, the digitalisation of lift doors enters the next phase. While in the beginning it was the many new possibilities offered by the product MiDrive, in the second phase the focus was on the service technician. With remote support via chat, automatic speech recognition etc. a new digital tool of cooperation was created.

With the new Generation 3 MiDrive, MEILLER is processing the knowledge of the past two years. The intelligence of the MiDrive system creates the basis for considerably extending the user functions once again. The Remote Support Tool is being further expanded and now offers additional video and audio recordings in remote chat. The intelligence of the system extends the functionality of the app to a diagnostic tool.

All these functions are available to users of earlier generations of MiDrive door control units as free updates.

In conjunction with CANopen, the system opens up new possibilities in communication:

▶ Door signals via CANopen, 24V input and via the MiDrive app are now displayed as a push message via the app. This enables the technician to see all
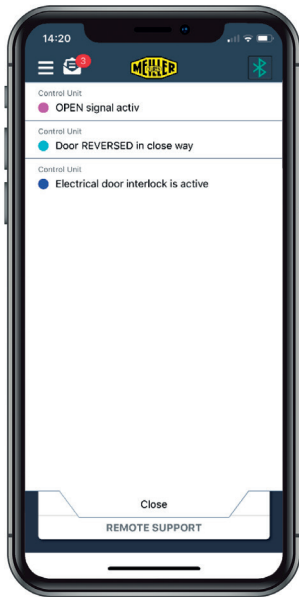
Display of the door signals as push messages. The coloured marking shows the roots of the command. Status and error messages are displayed in the same way.

current status and fault messages. In order to make CANopen Lift more tangible and easier to understand, the MiDrive control unit displays the CAN commands and status messages in the app. MEILLER MiDrive currently has considerably more functions in CANopen and reacts to more commands that other door control units simply ignore today. The lift technician understands where the message comes from (blue for 24V signals, magenta for CANopen signals) and why the door drive now has this status. If error and status messages were previously only displayed in the monitoring, such information now appears actively as push messages in the service technician's app. It is therefore unlikely that such messages will be overlooked.

▶ Virtual terminal for CANopen Lift enables access to MiDrive from the lift controller. Wherever there is access to the lift controller, there is also access to the MiDrive door control unit. The setting tools of the controller manufacturers become setting tools for the door controller.

▶ Measured values · even customer-specific ones · are additionally provided via CANbus without wiring sensors and can be read out. Since MiDrive technology is based on 32 bits, the measured values offered also correspond to the current standard (generally used units of measurement).

The latest generation of MiDrive technology shows in an impressive way how intelligent systems make commis-
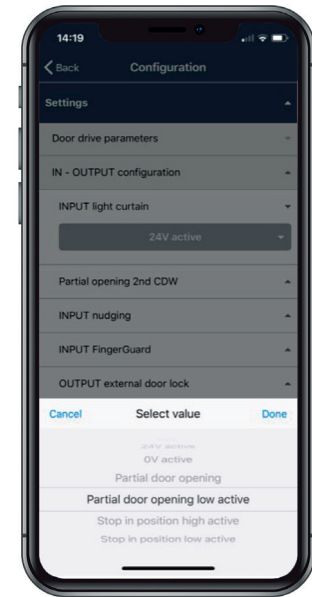
Wide range of functions and special functions can be set via the app in a detailed way.

sioning, maintenance and inspection more efficient and lead to better results. It also demonstrates how individual components can contribute to improving the overall performance of an elevator when they are integrated into the overall system.

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