SafeRoute
The intelligent way

Whether it's an emergency exit or an escape route, regulated access times or an interlock function, the SafeRoute emergency exit and escape route system makes it possible to intelligently integrate various, often conflicting requirements for doors. With its innovative and reliable solutions, SafeRoute not only impresses the fire brigade, police and building supervision, but also planners, architects, installers, distributors and building operators have numerous benefits.

Everything imaginable - thanks to licensing.
The innovative emergency exit and escape route system from dormakaba is logically tailored to its conditions of use.
This means that with SafeRoute you benefit from the new licensing model (Mini, Basic, Standard and Premium), where you only pay for the functions you actually need. If necessary, the system can be upgraded with additional functions at any time through licence expansion. The existing hardware remains unchanged. You are purchasing only the new licence.

The new, efficient escape route security system SafeRoute is an entirely new form of flexibility and planning reliability.
Thought about everything, made for everyone. Whatever your door situation, speak with your dormakaba customer advisor. Working in tandem with you, they will devise the most ideal SafeRoute system for your needs.

Benefits at a glance:

- Greater flexibility thanks to a new licensing model with no subscription

- Planning reliability thanks to largely standardised hardware

- Simple wiring thanks to the enhanced DCW® system bus

- Can be adapted to current needs through licence expansion at any time

- Intelligent light ring display: simplifies installation and commissioning, improves service quality through easy identification of system status or faults

- Simple alarm reset via non-locking emergency button

- Can be supplied with power from any point within the system bus

- Robust surface-mounted housing in the XEA design with a light metal frame

- Available in lots of colour combinations

- Approved in accordance with EltVTR (German directive for electrical locking systems on escape route doors)
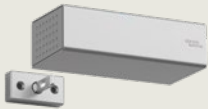
- Certified according to EN 13637

Customised solutions from a single source

Whether it's opening, closing or controlling, we supply you with all the SafeRoute escape route security system components from a single source. Our flexible modular system always keeps the right module at hand.
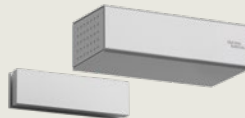
The basic components

STV 1xx
Electromechanical door locking

STV 2xx
Electromagnetic door locking device

STV 5xx
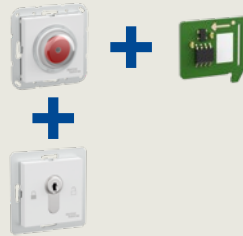Electromechanical door locking device for concealed frame installation

DCW

STL-G with a licence card as master
All-in-one terminal for surface mounting

SCU-UP with a licence card as master
Individual components for flush-mounting

SCU-DR with a licence card as master
System components for top hat rail mounting

STL-G (slave)

SCU-UP (slave)

The SafeRoute Control Unit (SCU) is the heart of the new SafeRoute system. Depending on the licence card chosen, many other DCW® system components can be connected, e.g. a key switch, touch display, I/O module or smoke detector. It can also be networked and connected to a higher-level building control system.

XEA – excellent design in many colours

Combine various colours and surface finishes however you want to match the overall system.

The new surface-mounted terminal in the XEA design is the intelligent and aesthetic way to escape route security.

SafeRoute is not only suitable as a design element, but it can also be easily combined with other dormakaba products in the XEA design.

Thanks to numerous colour and surface finish variants, you have a whole range of customisation options open to you and can be as flexible as you wish when it comes to aesthetics.
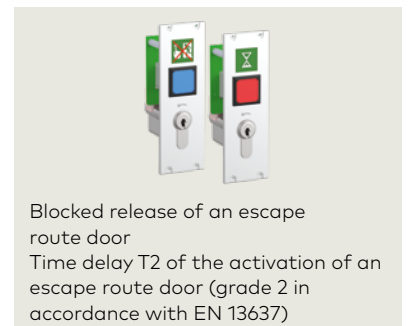
SCMC panel controls
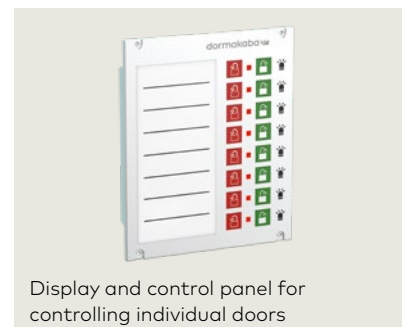
Centrally visualise and control doors

SCMC-H12 panel housing

Central control unit with emergency button

Blocked release of an escape route door
Time delay T2 of the activation of an escape route door (grade 2 in accordance with EN 13637)
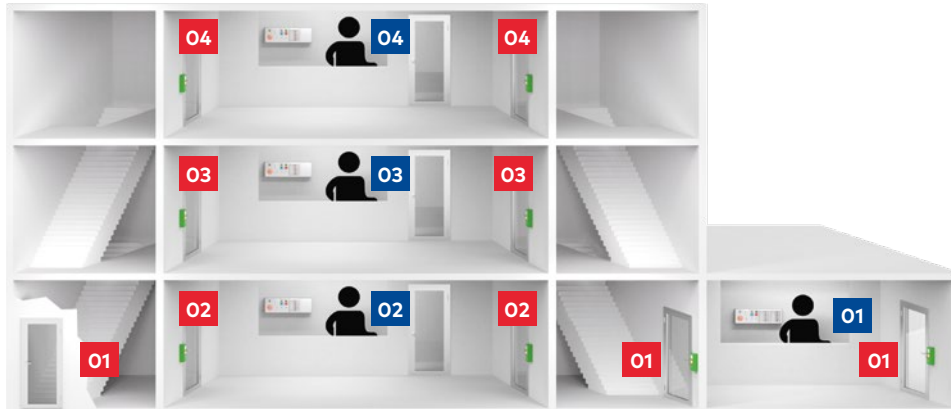
The SCMC (SafeRoute Central Management Control) panel systems enable individual doors, door groups and spatial sections to be monitored and controlled in real time. Depending on requirement, a panel system can be assembled individually in accordance with EN 13637 through modular combination of panel inserts and can be adapted to the respective object requirement.

Overview of functions
- Central control unit and monitoring of SafeRoute escape route doors using the panel insert SCMC80
- Central activation of individual doors and sections, e.g. from a permanently staffed control room using the panel insert SCMC20
- Central door status display (locked, permanently unlocked, unlocked for a short time, unlocked for a long time, alarm)
- Definition of door groups or door sections
- Blocking the local emergency button using the panel insert SCMC30 (protection against misuse of escape routes)
- Delay in release after pressing the local emergency button using panel insert SCMC40
- Connection via LON network (safety-related functions with SCMC20, SCMC30 and SCMC40) and/or LAN or LON network
  (remote control and monitoring via SCMC80)
- Connection to alarm systems possible e.g. fire detection system
- Depending on requirement, operation possible without PC or as parallel panel to PC with TMS Soft

Display and control panel for controlling individual doors

SLAN-/SLON-PL network adapter

Application example

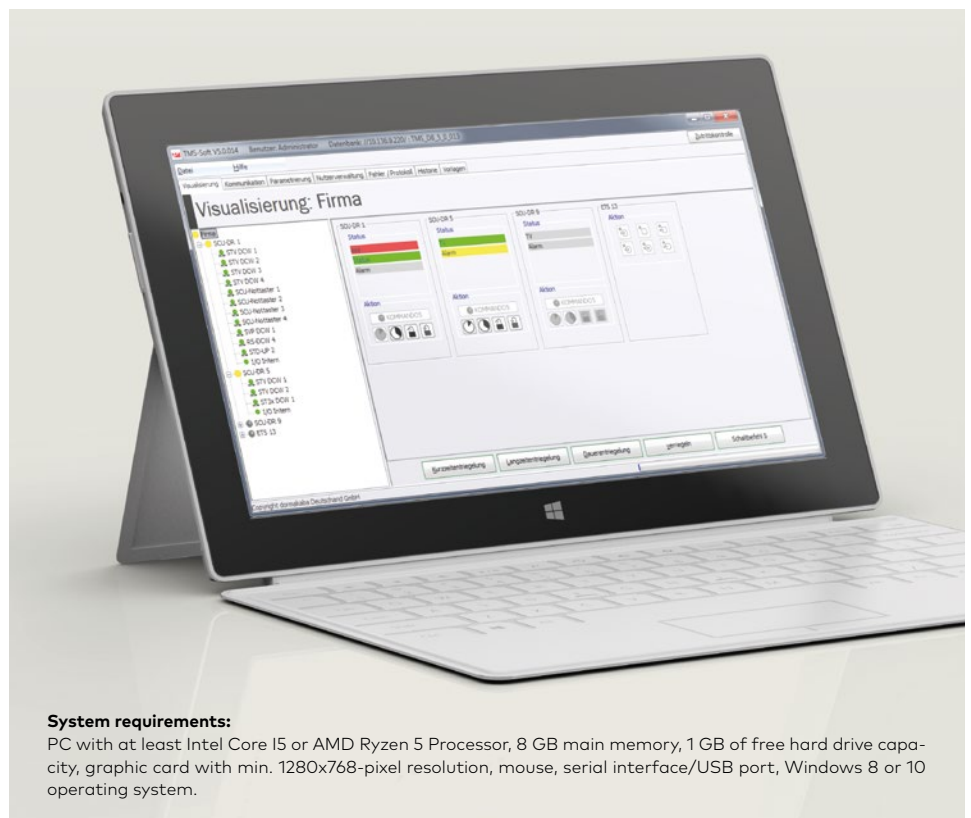|	
01	**Central doors** in escape route. In the event of alarm, doors can be activated from all control rooms.
02–04	**Section doors** in escape route. In the event of alarm, doors can be activated only through own or central control room.
01	**Central control room**
02–04	**Section control rooms**

TMS Soft® – door management

Configure, visualise and control central doors

TMS Soft is a universal PC software for convenient control, management, monitoring, visualisation and documentation of networked dormakaba door systems with escape route security systems, lock systems, panel technology, door drives, etc. An unlimited number of door systems can be managed in real time with TMS Soft®. The networking can be done via LON or LAN. Even the connection to building management systems is possible via OPC server or ESPA interface to telecommunication systems.

For local parameter setting of SafeRoute and TMS standalone systems via serial interface, a basic version without network capability is also available for free download.

System requirements:
PC with at least Intel Core I5 or AMD Ryzen 5 Processor, 8 GB main memory, 1 GB of free hard drive capacity, graphic card with min. 1280x768-pixel resolution, mouse, serial interface/USB port, Windows 8 or 10 operating system.

Any questions? We are happy to advise you and devise your customised SafeRoute system.

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