

SafeRoute Basic set

Escape route security system including terminal



Benefits at a glance:

- Convenient supply set
- Enables connection of the system's own STV or analogue door locking devices
- Enables simple connection of additional on-site key switches and access readers
- Fully-fledged surface-mounted terminal with robust metal frame
- Complies with EltVTR (German directive for electrical locking systems on escape route doors) and European standard EN 13637
- Factory pre-configuration
- Can be commissioned without software
- If required, many standard parameters can be changed with TMS Soft
- Can be used with all dormakaba DCW® components, including I/O modules
- Integrated control functions for dormakaba SVI/SVA/SVP motor locks
- Can be optionally networked via LON or LAN/TCP-IP

Securely locked for everyday use, quick and easy to open in case of danger:

The SafeRoute escape route security system makes it possible to intelligently combine various, often conflicting requirements for doors. The Basic set contains a comprehensive range of accessories for particularly easy setup. It is also possible to connect door locking devices without a DCW® system bus as well as other key switches and access readers – designed with everyone in mind, made easy for everyone.

The SafeRoute Basic set contains:

- Surface-mounted terminal incl. power supply unit
- Licence card
- STV-A adapter for analogue locking devices (e.g. dormakaba TV 500)
- Distribution board ST-VP

The **Basic licence card** is valid indefinitely. It is used to define the extensive functional options in the entry-level segment. If the

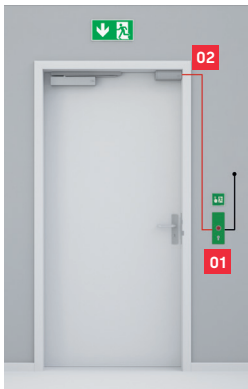
scope of the licence is not sufficient, it can be easily extended to a Standard or Premium licence at a later date by exchanging the card. The good thing about it: the hardware is upwards-compatible and remains identical.

The Basic set is primarily used to connect the system's own SafeRoute door locking devices via the 4-wire DCW® system bus. If analogue locking devices are present on

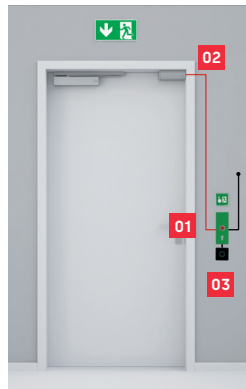
site (e.g. when retrofitting existing systems), a **STV-A adapter** is included in the scope of delivery to connect these.

The universal **ST-VP distributor board** supplied enables the connection of additional key switches, pulse actuation via an access control system and the addition of two potential-free outputs.

Application examples



- 01 SafeRoute Basic set
- 02 STV 1xx door locking device



- 01 SafeRoute Basic set with ST-VP distribution board
- 02 STV 1xx door locking device
- 03 On-site access control for door release pulse actuation

Technical data

Design	Supply set
Design	Surface-mounted terminal including power supply unit
Operating voltage	230 V AC +/-15%
Colour	Green, similar to RAL 6001
Cylinder hole	Prepared for Europrofile half cylinder 30/10
Output voltage	24 V DC +/-5%
Max. rated current	1 A
Current load per output	Max. 1 A
Degree of protection	IP32
Temperature range	-10 °C to +55 °C
Relative humidity	93% (non-condensing)
Dimensions (WxHxD) approx.	95 x 253 x 75 mm
System wiring	Uniform DCW® system bus
Total DCW® system bus length	Maximum 300 m
Separate emergency shutdown circuit	Not required
Cable recommendation	J-Y(ST)Y 2x2x0.6 or 2x2x0.8
Inputs on the integrated emergency button	2
Additional inputs via ST-VP	2
Outputs on the integrated emergency button	2, GND-switching
Outputs via ST-VP	2, potential-free relay contacts (parameterisation is always identical to the GND-switching outputs)
Key switch and button	Integrated in the terminal
Connectable DCW® devices	All, up to 4 per device type
Connection of analogue door locking devices ¹⁾	Via STV-A adapter included in the scope of delivery
SVA/SVI/SVP motor locks control unit	Integrated, full range of functions via DCW® system bus
Commissioning with standard parameters	Software-free via universal button
Selection of static or pulse actuation for triggering the door release	Software-free (static = connection to the emergency button, pulse = connection to the ST-VP distributor board), or can be set via TMS Soft without using the ST-VP
Approvals and certifications for doors in escape and rescue routes	EltVTR (German directive for electrical locking systems on escape route doors) and EN 13637
Parameterisation of functions	Via TMS Soft software from version 5.0
Can be networked via LON or LAN TCP/IP	Yes (with separate network adapter)
Connection to SCMC central escape route control system	For remote control and visualisation, no safety functions
Combinable emergency exits and panic door locking systems	All EN 179 and EN 1125 makes

¹⁾ Certifications according to EN 13637, approvals according to EltVTR and technical data of the analogue locking devices must be observed.

²⁾ EN-13637 function. Admissibility at the place of use, building permits, national regulations, etc. must be observed.

³⁾ Dimming to zero is not permitted in accordance with EN 13637. Admissibility at the place of use, building permits, national regulations, etc. must be observed.

Range of functions

Release

- Via emergency button (with alarm trigger)
- Via external alarm system (fire detection system, etc.)

Release

- Adjustable short-term and long-term door release
- Permanent door release

Lock

- After expiry of the respective door release type
- After alarm reset
- If the door has not been opened following activation of the emergency button²⁾
- When power is restored after a power failure

Alarm management

- Adjustable alarm volumes
- Time limit for acoustic alarm signalling
- Activating/deactivating individual alarms

Connectivity

- External key switches (DCW® or analogue)
- SVI/SVA/SVP, M-SVP motor locks via DCW®
- DCW® I/O modules
- Additional emergency buttons (e.g. for bidirectional escape routes)

Parameterisation/visualisation/control with TMS Soft

- Via local RS232 interface
- LON or LAN TCP/IP (via optional network adapter)

Parameterisation of inputs and outputs

- Emergency button in Basic set
- Optional DCW® I/O modules

Integrated additional functions

- Release delay T1 up to 15 seconds²⁾

Panel functions (SCMC)

- Remote control for normal day-to-day operation

Miscellaneous

- Setting of LED light ring brightness in 256 levels³⁾
- The optionally available illuminated SES-UP escape route sign can be installed in the terminal for signage compliant with EN 13637 and EltVTR

For more advanced functions (e.g. integrated real-time clock for defining time schedules, interlock control via the DCW® system bus, adjustable monitoring times, safety functions with central escape route control, etc.), the higher licence levels Standard and Premium can also be freely combined with all STL-G terminals and other SafeRoute control units.

Subject to technical modifications.
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Any questions? We would be happy to advise you.

dormakaba International Holding AG | Hofwisenstrasse 24 | CH-8153 Rümlang | info@dormakaba.com | www.dormakaba.com