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1 About this document

1.1 Content and purpose

This document describes the mounting of the SCU-DR and the connection to a SafeRoute® system.

1.2 Target group

This document is intended for assembling technicians and specialists authorized to carry out installation by dormakaba.

1.3 Other applicable documents

The following documents belong to the unit's complete documentation and must be observed:


- The SafeRoute® system manual
- The respective door unit's inspection log
- The approved components' declaration of conformity


1.4 Documents storage

This document must be handed over to the facility operator after mounting and commissioning.

1.5 Symbols used

 Sequence of action steps

 Reference to a chapter

 Components may be damaged by electrostatic discharge. Ground your own body before touching a component!

2 Safety

2.1 Intended use

The SCU-DR controls the SafeRoute® electrical locking system from dormakaba.

2.2 Personnel qualification

Mounting may only be carried out by persons authorized by dormakaba.

3 Product description

The SCU-DR is a DCW® component for controlling escape route doors. The SCU-DR must be installed on a 35 mm DIN rail in a housing. The housing must at least meet the requirements of IP 30.

The inserted license card turns the SCU-DR into a SafeRoute® Control Unit in a SafeRoute® escape route security system.

3.1 Parts included

- SafeRoute® Control Unit SCU-DR

3.2 Technical information

Supply voltage:	24 V DC +/- 15 %
Power consumption:	30 mA
Ambient temperature:	-10 °C to +55 °C
Protection class:	Dependent on housing
Inputs In 1 to In 4	Current consumption of inputs per input: at 5 V AC/DC: 3 mA at 12 V AC/DC: 8 mA at 24 V AC/DC: 17 mA at 28 V AC/DC: 28 mA
Outputs Out 1 to Out 2	For each active relay, the current consumption increases by approx. 12 mA
Contact load capacity:	24 V, 1 A

SCU-DR

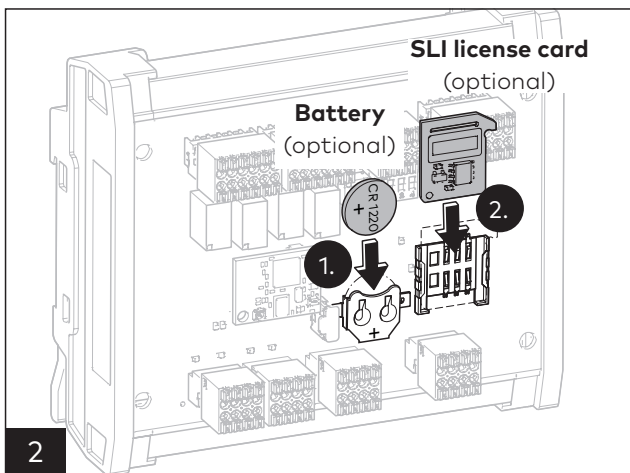
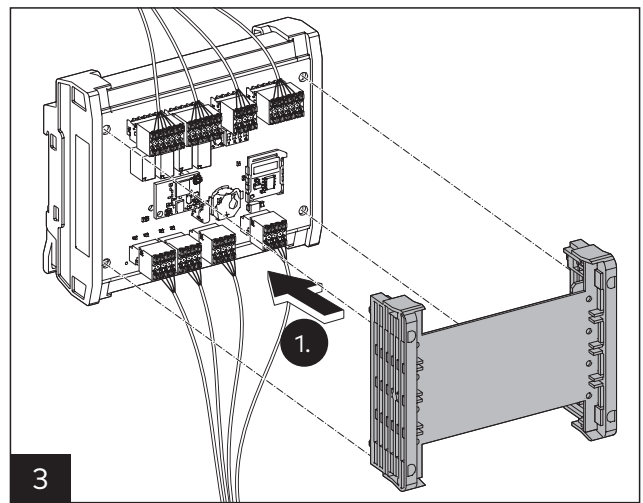
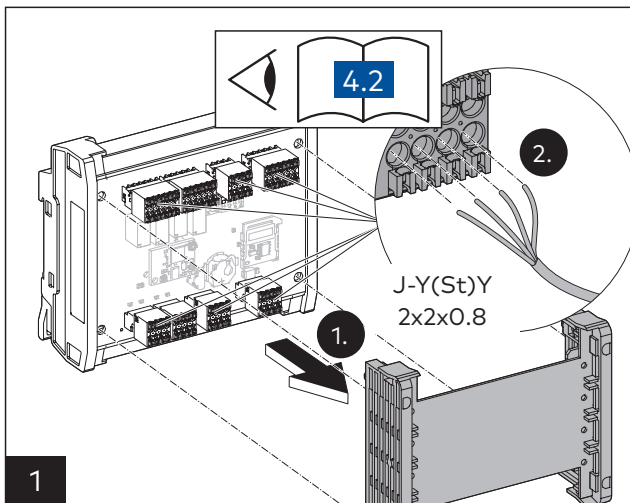
Mounting instructions

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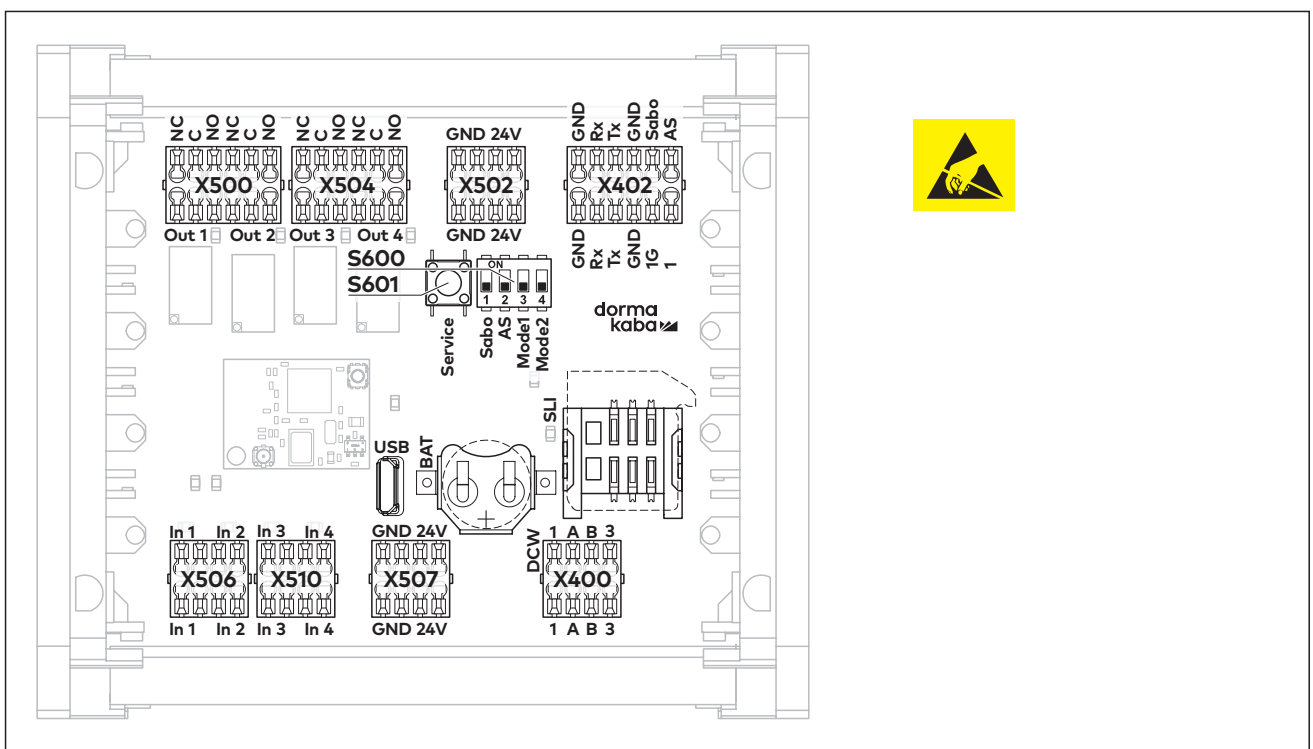
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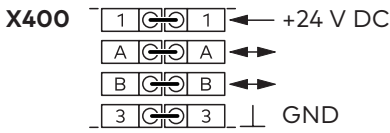
4 Mounting

4.1 Mounting the SCU-DR

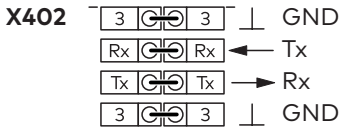


4.2 Assignment of terminals and switch/button

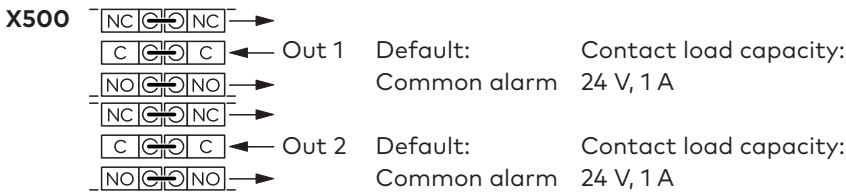
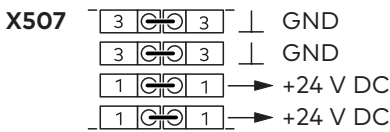
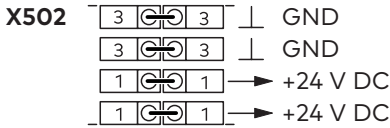
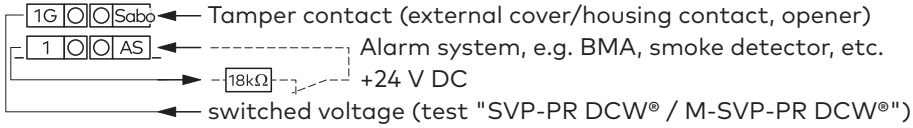




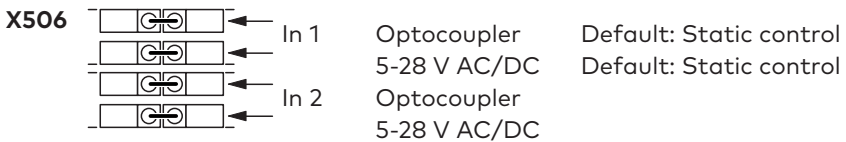
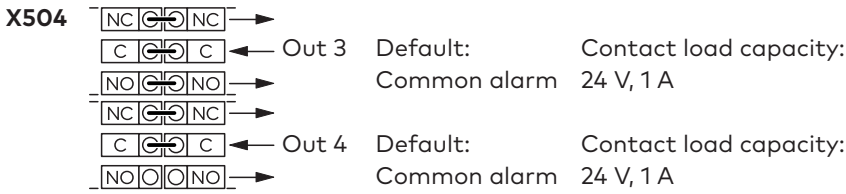
DCW® bus



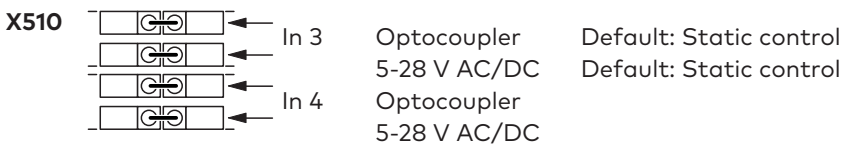
RS232 interface



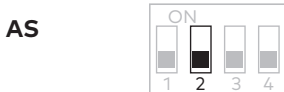
Parameterizable via TMS Soft®.
 For multi-door systems
 Out 1 to Out 4 are assigned to the corresponding door numbers 1 to 4.



Parameterizable via TMS Soft®.
 For multi-door systems In 1 to In 4 are assigned to the corresponding door numbers 1 to 4.



Service switch for tamper alarm suppression for all connected doors
 ON = Service (tamper alarm turned off)
 OFF = Operation (tamper alarm activated)



Alarm system switch
 ON = alarm system activated
 OFF = alarm system not connected (default)

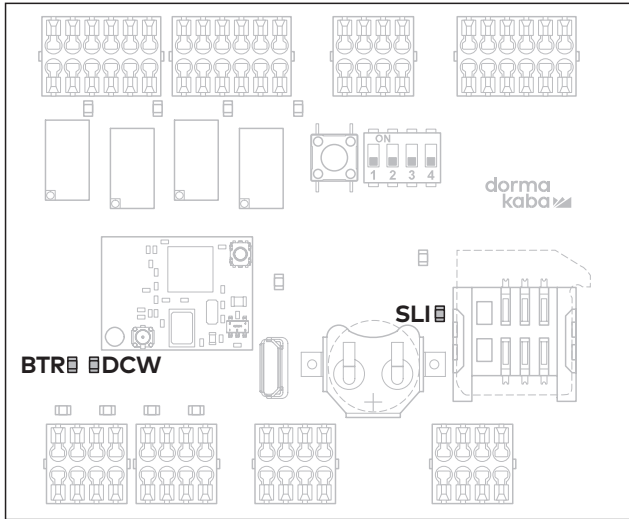


DIP switches	Number of doors	DIP switch 3	DIP switch 4
	1	0	0
	2	1	0
	3	0	1
	4	1	1



Service button

4.3 LED displays



LED on ——— LED off ———
 LED flashes slowly - - - - LED flashes quickly - - - -

SLI

License card inserted	—————
License card not inserted	—————
License card defective	- - - - -

DCW®

Bus connection OK	—————
Bus connection interrupted (Safe DCW® node)	- - - - -
Bus connection interrupted (not Safe DCW® node)	- - - - -

BTR (functions only with inserted license card)

No node configured	—————
Configuration mode active	- - - - -
Operation	—————
License error	- - - - -

4.4 Complete mounting

1. Document the mounting and commissioning in the inspection log.
2. Hand over this document to the facility operator.

5 Disassembly, recycling and disposal

Disassembly is carried out in the reverse order of mounting and must be carried out by qualified personnel.



The product must be disposed of in an environmentally friendly manner. Electro-technical parts and batteries must not be disposed of as domestic waste. Dispose of electrotechnical parts and batteries in the designated acceptance and collection points. Refer to the statutory regulations for your country.