

Emergency power control system for the second escape route for heroal roller shutter and sun protection systems

heroal rescue powered by Kaiser Nienhaus

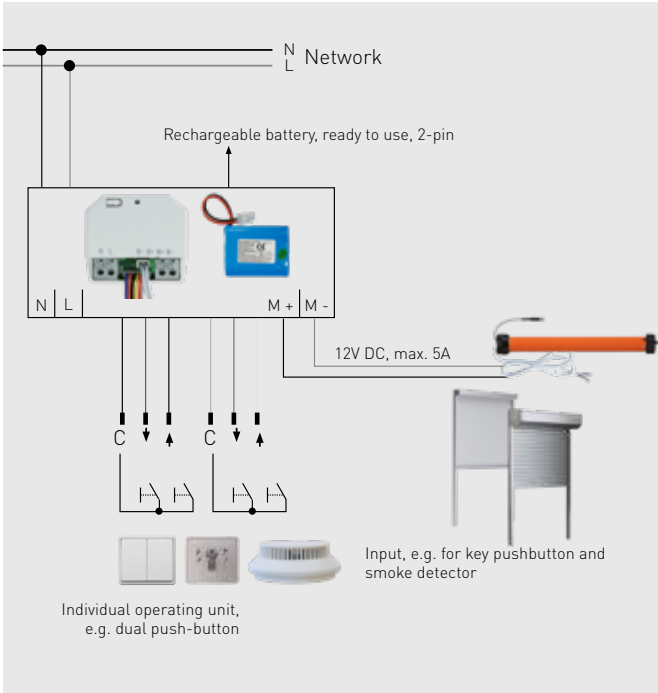


heroal rescue
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heroal

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Emergency power control system for the second escape route



heroal rescue powered by Kaiser Nienhaus is designed for use in the second escape route: the 12V emergency power control system with rechargeable lithium-ion batteries allows heroal roller shutter and sun protection systems with 12V motor to be operated even in case of a power failure. Individual operating units and central switches as well as smoke detectors and other floating control systems can be connected via the control relay. The battery is automatically charged via the relay when the supply voltage is connected. The relay issues alarm signals if the battery level falls below 30%. To ensure that the escape route remains passable in an emergency, the curtain can be raised even if the battery charge status is below 10%.

System features

- » 12V tube motor with 10 Nm or 15 Nm motor power, battery-buffered motor control system with rechargeable lithium-ion battery
- » suitable for heroal roller shutter systems and heroal sun protection systems
- » ideal for use in deep flush-mounted wall sockets
- » connection of individual and central operating units via the control module

What are evacuation and rescue routes?

An evacuation route is a route that people and animals can use to safely exit a physical structure in case of fire. An evacuation route leads outdoors or to a safe area. It allows people to rescue themselves without assistance. An escape route in the narrower sense provides a route to rescue others. An escape route allows emergency services, such as the fire brigade, rescue injured persons and animals and bring them to safety. Escape routes can also be used to fight fires.

Second escape route based on the German Model Building Regulations (MBO)

The second escape route is either also – just like the first escape route – a permanently present, fixed structure that can be accessed without assistance and leads outdoors through a second emergency exit, or a route that leads via rescue equipment provided by the fire brigade, such as a turntable ladder. According to Section 33(1) to (3) (MBO) “Building units with at least one common room, such as apartments, practices, independent establishments [...] must have at least two separate escape routes outdoors on every floor; but both escape routes may lead through the same necessary corridor within the floor.” If the second mandatory escape route leads to rescue equipment provided by the fire brigade, “ladder-friendly” windows or points are required. According to Section 37(5) (MBO) “Windows used as escape routes as defined in Section 33(2) sentence 2 [...] must have a clear area of at least 0.90 x 1.20 m and not be positioned higher than 1.20 m above floor level.” According to Section 33 MBO, buildings whose second escape route requires fire brigade rescue equipment and where the top edge of the railing, e.g. for reaching certain windows or points more than 8 m above the ground with ladders, can only be erected if the fire brigade has the necessary rescue equipment. The regulations for the second escape route are individually defined by every state or authority and are regulated in the state building regulations (LBO), among others. In the vast majority of cases, this 12V emergency power control system with back-up rechargeable battery in case of a power failure specifically meets the requirements for a self-monitored control system and the necessary emergency operation of roller shutter and sun protection systems in front of the “second escape route”.

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Product information



Motor

- » 12 V brushless electronic motor with soft-start and -stop
- » electronic end position setting and obstacle detection
- » power: 10 Nm, 15 rpm or 15 Nm, 15 rpm
- » brushless motors with maximum efficiencies, outstanding operating characteristics and high performance
- » adapters and carriers for roller shutter and sun protection application available separately

Control system/control relay

- » main voltage: 230 VM; AC, 50 Hz
- » motor supply 12 V, DC
- » max. switching capacity 4 A
- » power consumption: < 0.3 W
- » external dimensions 48 x 45 x 23 mm
- » weight: 44 g

Battery

- » capacitance: 3200 mA/h
- » external dimensions: 70 x 55 x 18 mm
- » weight: 148 g

Category	heroal item no.	Item description	PU contents
Motors	5802 00 00	Motor Primus Electronic BL 12 V 10/15 2 m cable	1 pc.
Motors	5808 00 00	Motor Primus Electronic BL 12 V 15/15 2 m cable	1 pc.
Control system and rechargeable battery	5803 00 00	Motor control system and rechargeable battery for 12 V motor	1 pair
Control system and rechargeable battery	5804 00 00	Spare rechargeable battery for 12 V motor	1 pc.
Setting aids	5805 00 00	Setting cable for 12 V motor	1 pc.
Adapter and carrier	5819 00 00	Adapter and carrier 60-oct. axle	1 pair
Adapter and carrier	5806 00 00	Adapter and carrier size 63 rounded axle	1 pair
Adapter and carrier	5807 00 00	Adapter and carrier size 63 rounded axle	50 pairs
Adapter and carrier	5820 00 00	Adapter and carrier size 78 rounded axle	1 pair

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Ordering online using the heroal configurator is quick and easy. After selecting the relevant items, the heroal configurator can be used to generate offers and submit orders. The configurator can be accessed by heroal customers at any time, anywhere, using the heroal Communicator.

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As a manufacturer of aluminium system solutions for roller shutters, sun protection, roller doors, windows, doors, sliding doors, curtain walls and patio roofs, heroal is an international market leader, supporting high-quality residential and commercial construction projects worldwide. heroal products are developed and manufactured in Germany and set themselves apart with their premium quality and exceptional performance features. As a result, the innovative system solutions contribute to greater sustainability, security, comfort and architectural freedom for both current and future building projects and impress with simple and efficient planning and fabrication by heroal specialist partners.

Roller shutters | Sun protection | Roller doors | Windows | Doors | Sliding doors | Curtain walls |
Patio roofs

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