

D A T A S H E E T

Sliding Door operator UWS / KONE SD UniDrive®

General:

- **Application;** all sliding door types and constructions: single, double, telescopic, prismatic and curved for in- and outside use
- **Door weight;** single door maximum 180 kg., double door maximum 2 x 120 kg.
Option: single door maximum 270 kg., double door 2 x 180 kg.
- **Safety;** all safety features contribute to a safe use of the complete door and meet all valid guidelines
- **Certification;** the UniDrive operator is TÜV approved and meets all the international CE standards and safeties.

Description and features of sliding construction and operator:

- **Construction;** aluminium rail 160 mm high, supplied with an integrated running rail, clamped in low noise rubber, and basic unit with a control unit, motor and carriers
- **Suspension system;** per door leaf two 3-dimensional adjustable carriers.
- **Carriers;** steel carriers with synthetic rollers and bearings to assure a smooth and noiseless running. Maximum load per carrier is 60 kg.
- **Basic unit;** unit pre-assembled on a basic frame with a DC motor engine in rubber buffers and an adjustable tooth belt
- **Control unit;** pre-assembled on a separate support and consisting of a self monitoring computer; programmable opening and closing speed, open time, opening width, several timing functions, manual learning function and obstacle safety reverse
- **Line power;** 230V, 50 Hz, 2 Amp, 1 phase. Nominal power 80 W.
- **Cover;** standard in aluminium design; silver anodized, mill finished or coated in RAL colour.

Operating features:

- **Operation;** selection in manual operated activators (push buttons and switches), motion detectors, safety sensors, remote control, entrance control system, and electronic program switch with LED-display (surface mounted or built in)
- **Motion detectors and safety sensors;** 1 and 2 way radar detectors, infrared motion detectors and safety sensors, photo cells.
Connection for max. 4 tested sensors, incl. side panel safety according to standard EN12650
- **Electronic program switch;** option of several functions:
 - automatic open and close, open position, one-way direction, closed and locked
 - reduced opening width
 - sequence opening
 - reset function.Furthermore the PGS has a maintenance indicator which will start flashing in case the door has reached the programmed number of cycles
- **External connections;** 4 free programmable inputs and 1 free programmable output, e.g. for fire alarm, entrance control system or external door control.

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Safety features:

- **Electronic safety reverse;** highly sensitive reverse settings in both open and close direction
- **Finger trap safety;** adjustable to avoid fingers getting stuck
- **Photo cell safety;** guarded and tested, prior to every door closing cycle. Mounted in the door opening, the control unit tests with every door cycle the function of the photo cells
- **Door speed;** automatically adjusted to a safe level based on the door weight and resistance of the door in conformity with the TÜV specifications
- **Power failure;** in the event of a power failure all settings are stored in the computer and the door operates as a manual door if the door is not locked.

Options:

- **Power failure, battery back up;**
 - **Battery pack;** battery of 12V / 0,8 Ah, for 1 time opening of the door
 - **Battery unit;** battery print with 3 batteries of 12V / 0,8Ah, takes over all door functions for a certain amount of time, depends on door weight and environmental circumstances
- **Locking;**
 - Electrical lock activated by the program switch. LED-indication on the program switch shows locked position (red LED's). At power failure the lock is standard locked, optional an unlocked construction can be installed in case of power failure
 - Mechanical lock; hook or bar lock with key use in door leaf
- **Manual emergency release;** to release a locked electrical lock manually during a power failure. Installation in- or outside the cover
- **Night switch;** for opening the door 1 time (with a key switch outside and/or a push button inside) when the door is electrically locked. After closing of the door, it will be electrically locked again
- **Locking of the program switch;** key switch with Euro cylinder to lock the program switch in order to prevent unauthorized use
- **Extension unit;** extra 4 inputs and 4 outputs
- **Connection to fire alarm installation;** option of the following programmable functions:
 - Door opens
 - Door closes and locks (provided installation of electrical lock)
 - Door unlocks and opens (provided installation of electrical lock)
 - Door stops en is powered off
 - Special programming by manufacturer
 - A possible sequence setting (2 or more doors) can be cancelled.