

D A T A S H E E T

Sliding Door operator UWS / KONE SD UniDrive®

General product description:

- **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 maximum 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 for quality and safety.

Features of door operator:

- **Intelligence;** “Smart Door Technology”.
- **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;** two 3-dimensional adjustable carriers per door leaf.
- **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;** control unit with an intelligent (self monitoring and adjusting) computer; programmable opening and closing speed, open time, opening width, several timing functions, a learning button (to program the door by hand) and obstacle safety reverse.
- **Line power;** 230V, 50 Hz, 2 Amp, 1 phase. Nominal power 80 W.
- **Cover;** aluminium design cover: silver anodized, mill finish or coated in RAL colour.

Operating features:

- **Operation;** by means of a program switch, manually operated activators (push buttons / switches), motion detectors, safety sensors, remote control, etc.
- **Program switch;** wireless switch (wall mount), which can be used to change door functions.
 - Door functions: automatic, open position, one-way direction, closed (or optional locked), summer /winter position, sequence opening and reset
 - Range: 15-35 meter (dependent on environment)
 - Optional: handheld PGS or wired PGS (max. 7 wireless switches can be used for 1 operator)
- **Motion detectors and safety sensors;** radar detectors, infrared (safety) sensors.
Connection of max. 4 tested sensors, incl. side panel safety according to standard EN12650
- **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.
- **Photocell safety;** consists of a transmitter and receiver, installed in the door opening.
The control unit tests the function of the photocells prior to every door closing cycle.
- **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:

- **Battery back up;**
 - **Battery pack;** battery (12V / 0,8 Ah), for 1 time opening of the door in case of power failure.
 - **Battery unit;** unit with 3 batteries (12V / 0,8Ah), takes over all door functions temporarily in case of power failure.
- **Locking;** electric lock, mono-stabile or bi-stabile, powerless locked or unlocked.
- **Manual emergency release;** to release an electrical lock manually. Mounted in header or on the wall
- **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.
- **Locking of program switch;** key switch with Euro cylinder to lock the program switch in order to prevent unauthorized use
- **Extension unit;** 4 extra inputs and 4 extra outputs
- **Connection to fire alarm system;** several functions can be programmed. Default setting: automatic mode (photocells inactive). When the battery is empty, the door will close.
- **ECO module;** energy saving module consist of a temperature meter and optionally a wind meter. The opening width is automatically controlled based on the outside temperature, wind force and people flow, reducing the loss of warm or cool air which results in saving energy. Minimum and maximum temperatures can be programmed. System can also be used in an air lock situation (2 doors with sequence opening).