D A T A S H E E T

Energy saving sliding door KONE SD EcoDrive™

General:

- **Application;** in or outside sliding doors to reduce the loss of warm or cold air and to master the temperature oscillations in your building better
- **Model;** single and double sliding doors, possibly followed by single or double doors which are connected in sequence opening / airlock
- **Opening width;** adapted automatically to weather conditions and people flow
- **Construction;** the sliding door operator is equipped with UniDrive control unit including ECO software module. Optional the control unit can be extended with a wind speed meter for optimal regulation
- **Security;** all safety features contribute to the safe use of the door installation and are related to all applicable standards and directives.

Features sliding door 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
- **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 a adjustable tooth belt
- **Control unit;** pre-assembled on a separate support and consisting of a self monitoring computer, using Fuzzy Logic, programmable opening and closing speed, open time, opening width, several timing functions and obstacle safety reverse
- **ECO module;** control program in connection with temperature sensor and control of the door. Provides automatic switching to reduced opening, sequence opening, reduced open time, increased closing speed and the opening width of the entrance is adapted automatically at times of a higher people flow
- **Line power;** 230V, 50 Hz, 2 Amp, 1 phase. Nominal power 80 W.
- **Cover;** aluminium design; silver anodized, mill finished or coated in RAL colour
- **Air Curtain;** optional to connect for automatic regulation of the air flow.

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 standards prEN12650 / DIN18650
- **Electronic program switch;** options for operating the door in several functions; automatic open and close, open position, one-way direction, closed /locked, reduced opening width, sequence opening and reset function
- **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 all applicable standards and regulations
- **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 / 0.8 Ah, 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
- **Blocking of the program switch;** key switch with Euro cylinder to lock the program switch in order to prevent unauthorized use
- **Extension unit;** option to provide 4 inputs and 4 outputs extra
- **Connection to fire alarm installation;** programmable functions:
  - Door opens; door closes and locks or unlocks (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.