

D A T A S H E E T

Maintenance and Modernisation Concept, KONE UniDrive® Retrofit Kit

General:

- **Application;** all sliding door types and constructions, single and double for in- and outside use
- **Control unit;** universal, possible connection of selection of DC-motors up to a maximum of 50 Vdc and an encoder of 5 Vdc per motor.
Self monitoring computer with amongst other features programmable opening/closing speed, open time, opening width, several timing functions, manual learning function and obstacle safety
- **Door weight;** single door maximum of 180 kg., double door maximum of 2 x 120 kg.
- **Line power;** 230V AC, 50 Hz, 2 Amp, 1 Phase. Nominal power 80 W.
- **Control unit;** power supply for peripheral equipment 12 Vdc or 24 Vdc, maximum 800 mA
- **Locks;** 12 Vdc or 24 Vdc, maximum of 2 x 750 mA, mono- or bi-stable
- **Certification;** the UniDrive operator is TÜV approved and meets all the international CE standards and safeties.

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 functionFurthermore 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

Safety features:

- **Electronic safety reverse;** highly sensitive reverse settings in both open and close direction
- **Finger trap safety;** adjustable to avoid fingers 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 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).

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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.