

The MDC3 is an advanced sliding door controller and the perfect solution when a sliding door needs to be automated. With its many inputs and wide output range for the motor every sliding door can be controlled.

Product specification

More advanced door movements and better control is possible with the encoder position feedback and the adaptive controller. The MDC3 is highly integrated, it embodies, in a steel housing, all the necessary components for complex door functions. For easy installation each type of sensor, lock, safety device etc. can be connected via a separate pluggable connector. The parameters can be set by use of the KB300 terminal. The KB300 can also be used as a door program switch. A lot of different door programs are implemented like: continues open, continues closed, automatic, one way traffic, pharmacy, manual, winter position etc. Although it's many features the MDC3 is easy to operate because it has three different operator levels. Various types of motor combinations can be connected and if required different operational languages can be programmed.

In addition, other parts can be connected for better control, easier connection, security and safety. These are:

- battery for operation during power loss
- KB300 control terminal for program selection, parameter setting, warnings, testing, error log, authorisation etc.
- electromechanical lock
- safety sensors
- program switch

There are six sensor inputs, two sensors for each side of the door and two safety inputs. Other inputs and outputs include:

- three outputs with user selectable function for indication of door status
- porter switch, which allows the door to be opened at all times
- program selection using a rotary switch
- fire, robbery and disable motion for safety and security
- interlock communication allowing only one door open at a time
- RS232 interface for external command device



Six programs and three open positions combined with all the inputs and parameter settings allow the MDC3 to be used in every situation. Settings can be done for speed, acceleration, open times, safety and many more. All the settings can be done in the normalised units: mm, seconds, mV, mA, etc.

Main features

- 10 different door modes selectable
- 60 adjustable parameters
- different operational languages available
- battery back up including battery charger
- selectable reaction upon panic situations (fire etc.)
- thermal and under/over voltage protected
- according EN50081-1/61000-6-2/61000-3-2/61000-3-3

Technical information

Power supply	: 18-56Vdc
Nominal current	: 10A
Maximum current	: 18A
Standby power consumption	: 5 Watt
Motor, brush type	: 12-60Vdc
PWM frequencies	: 20KHz
Battery operation between	: 18-27Vdc
Ambient temperature	: 0-50 °C
Humidity	: 10..80%
Encoder type	: balanced or unbalanced
Pulses per revolution	: 500, 2-channel
Digital inputs	: 13
Digital outputs	: 3
Interface	: 2 x RS232
Dimensions	: 400x98x43mm (lxbxh)