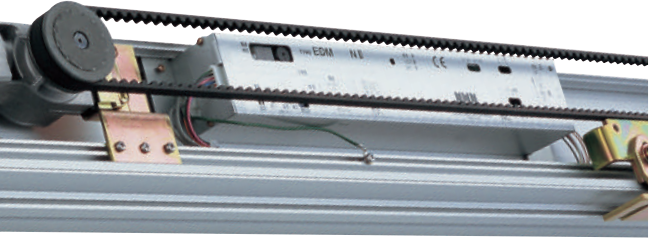
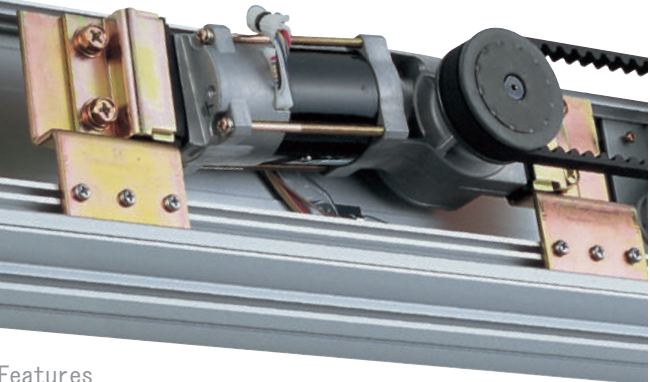


EDM-NII Series Control Box



- Features
- > Digital input programming
  - > Wide operation parameter setting
  - > System error diagnosis
  - > Self protection against system damage
  - > Reversible operating circuits (NO/NC)
  - > Additional special functions available

EDM-NII Series Motor Gear Box



- Features
- > High speed motor control (750mm/s)
  - > Compact and powerful
  - > 90-600kg load capacity (18NII > 65NII)
  - > High precision gearbox ratio
  - > Near silent acceleration and breaking
  - > Smooth and controlled operation

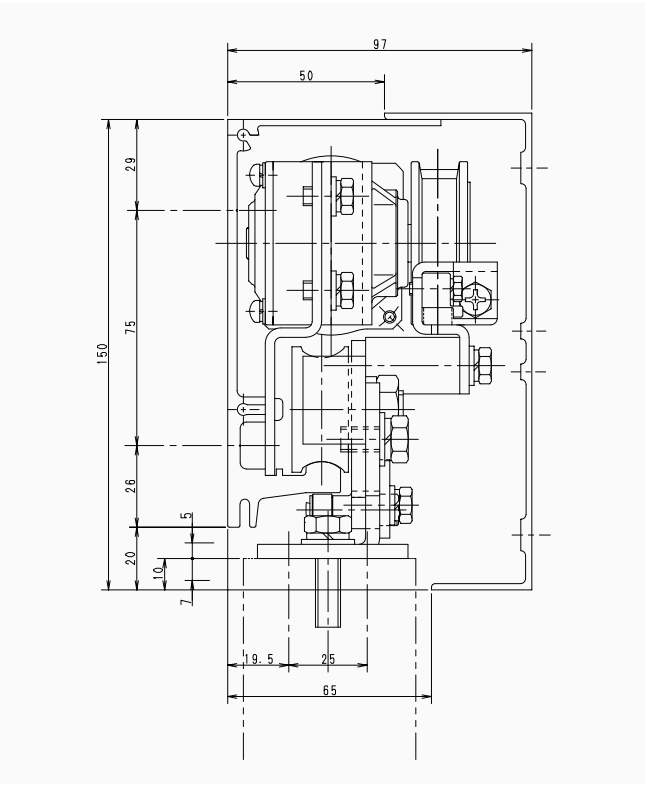
Specification

Technical			
		Single Sliding	Double Sliding
Model		EDM 18NII-S	EDM 18NII-D
Applicable Door (max.)	Dimensions	1219 (W) x 2134 (H) mm	1219 (W) x 2134 (H) mm
	Weight	90kg	90kg x 2
Power supply/consumption		100V AC±10V, 50/60Hz, 150W (max.)	
Manual door opening/closing force during power failure		17.6N~23.5N (1.8kgf~2.4kgf)	22.5N~33.3N (2.3kgf~3.4kgf)
Rated operation		Continuous opening and closing cycles	
Door opening/closing force		High:216N (22kgf) Low: 176N (18kgf) 10 steps adjustable	
Motor		Brushless molded DC motor	
Reduction gear		Enclosed hypoid gear system	
Control system		Microprocessor control	
Insulation resistance		10MΩ or more at 500V DC	
Dielectric strength		1000V AC for one minute	

Delivery

MICOM EDM-NII Series – Supplied in formats as follows:

- > EDM-NII Series ‘COMPLETE OPERATOR’ consisting of:  
Base Rail, Cover, Control Box, Connection Harness, Motor Gear Box, Connection Terminal, End Covers, Tooth Belt, Belt Bracket Link Assembly, Belt Connection Single & Double Door, Belt Tightening / Idle Pulley Assembly, Hanger Roller Brackets x4 and Stopper x 2.
- > COMPLETE OPERATOR – Standard Rail Length:  
Single Leaf – 2000mm, Double leaf – up to 5000mm
- > EDM-NII Series ‘FULL KIT’(Without Rail & Cover) consisting of:  
Control Box, Connection Harness, Motor Gear Box, Connection Terminal, Tooth Belt (7M), Belt Bracket Link Assembly, Belt Connection Single & Double Door, Belt Tightening / Idle Pulley Assembly, stopper x 2.
- > RAIL & COVER – (Material Only) – Standard Length:  
Single Leaf – 2000mm, Double leaf – up to 5000mm



MICOM-NHN Japan  
Kenwa Co. Ltd.,  
6th Floor /Marutake Honmachi Building  
6-18 Honmachi 1-Chome //Chuo-ku Osaka 541-0053 //Japan  
  
Telephone. +81 6 6265 1130 //+81 6 6265 1131  
Facsimile.+81 6 6265 1132  
Email. info@micomautodoor.com //info@kenwa.co.jp

100% Japanese Quality and Engineering  
MICOM & NHN are registered trademakrs and divisions of Kenwa Company Limited, Osaka, Japan



EDM-NII Series

Automatic sliding door operator  
Exceptional quality, economical prices

CE EN16005 Compliant





# Introduction

Innovative and multifunctional, **EDM NII Series** sliding door operator offers the perfect solution to any automation application. Equipped with our trademark microprocessor control and powerful motor drive system, quality and reliability are assured.

### Designed with installer and user in mind...

Our design team have carefully considered operation features, set-up procedures, installation and maintenance, as well as the use of the latest materials and fixing methods.

### Quick and Easy Installation

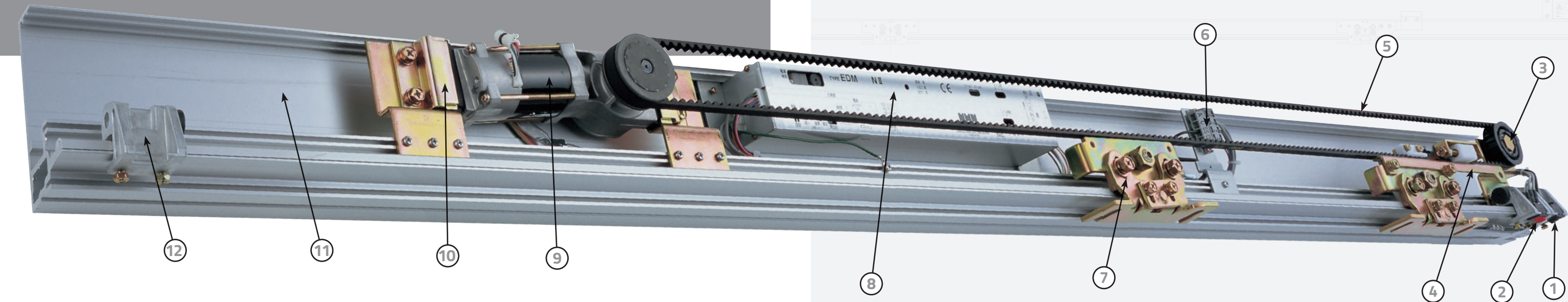
All major components including motorgear, control box, battery and electromagnetic locking are front fixed onto the base rail, allowing all parts to be mounted or removed at the job site without dismantling the main base rail. With flexible position adjustment, parts can be moved for servicing purposes. Once the rail is fixed in place, doors can be easily mounted using our unique door bracket and flexible retainer design.

### Programming and Set-up

After initial automatic learning and door stroke optimisation, setting of all standard parameters can be performed quickly and easily utilising the 2-button input and digital LED display. Setting and adjustment is easily achieved without the need for a hand held PALM system or additional expensive software.

### Main Features

- > High quality Japanese technology and engineering
- > Quick setup and installation
- > All parts front fix with flexible adjustment
- > Reliable and trouble free continuous operation
- > Powerful and compact operating system
- > Generous door height adjustment and alignment
- > Memory when power off
- > Energy saving when inactive
- > Flexible locking and battery options
- > Use with all customary door profiles



# Product Summary

No:	Description
1.	Partial/hold open switch
2.	Power ON/OFF switch
3.	Timing Pulley
4.	Belt bracket link assembly
5.	Tooth Belt
6.	Terminal input assembly
7.	Hanger Roller bracket
8.	Control box assembly
9.	Motor gear box assembly
10.	Vibration proof motor bracket
11.	Base rail (with cover & end covers)
12.	End stop

EDM 18/24 NII



EDM NII 25/D



EDM 30/40 NII



EDM NII RD

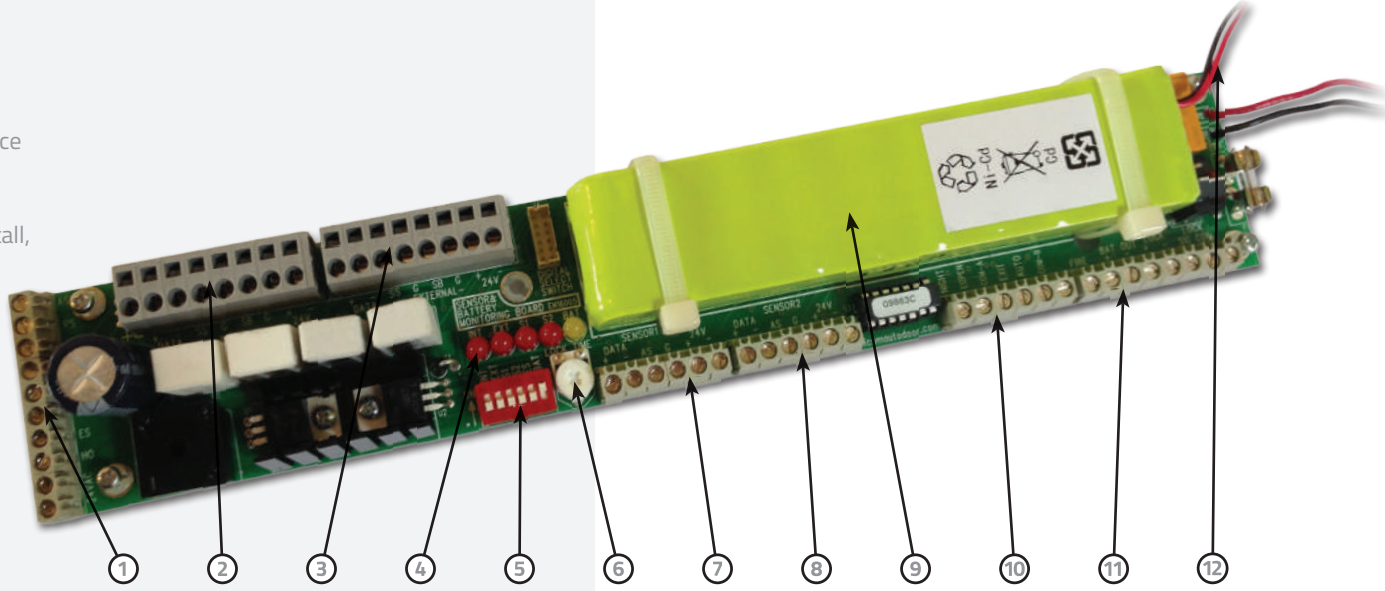


## EN16005 Compliance

**MICOM SMB is a SENSOR & BATTERY MONITORING SYSTEM** which offers compliance with EN16005 across our range of EDM Series automatic sliding door operators. It is compatible with models EDM NII, GII/EZ & MD Series.

**MICOM SMB** is a modular system for enhanced automatic door safety. Simple to install, whilst offering added protection and multi-functional features which include:

- > Conforming to EN16005
- > Individual Sensor Monitoring & Safety
- > Battery Functions & Monitoring
- > Key Function Selector Switch (Locked / Exit / Automatic / Hold Open, plus Emergency - Anti Panic Open)
- > Individual Sensor Inputs & Wiring
- > LED Indicator (Mode & Error)
- > Emergency Open Input
- > 24VAC Power Input (Isolated Transformer)
- > Night Mode (Switch) Input
- > Secure E-Lock Functions



No:	Description
1.	SMB output to Control Box
2.	Internal Sensor Input
3.	External Sensor Input
4.	LED Error Indicator
5.	DIP Switch
6.	E-Lock Timer
7.	Side Screen Sensor Input 1
8.	Side Screen Sensor Input 2
9.	Battery Pack
10.	Selector Switch Input (4 wire)
11.	E-Lock & Battery Output
12.	Battery Connection

**EDM-NII Series** when used without SMB can also accept all current sensors available in the world market today, such as BEA Eagle & Optex OA-203C together with threshold safety beam protection.

**EAGLE Series** is a microwave sensor which detects movement. Utilising a planar antenna together with multi directional detection modes, the EAGLE offers high levels of stability and reliability. It is the solution for all types of automatic doors, irrespective of the surroundings utilizing K-band microwave technology.



**OS-12C Safety Beam** is an active infrared safety beam system. Its amplifier and sensor heads are designed for fast, simple installation while maintaining the highest standards of safety and reliability. Recognized by door professionals worldwide for its reliability and resistance to sunlight and other interference.



## Accessories

**MICOM Function Selector Switches** offer several options of door control. As either a rotary knob or with a secure key, allows selection of 4 to 5 separate door modes. Economic in design, MICOM Function Selector are easy to install and operate. Supplied in a fire retardant black plastic mount box, with attractive cover design in white, our function selectors can be fitted to walls or aluminium frames alike.

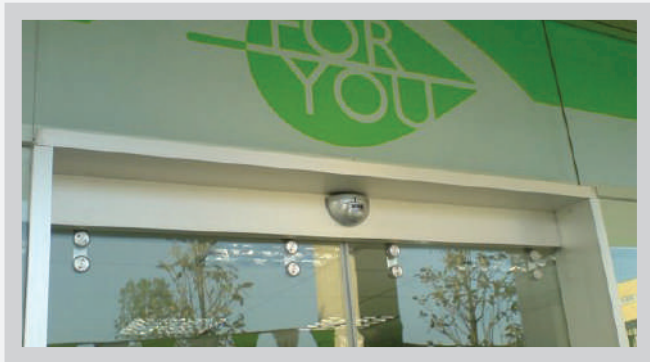
### Section Functions:

- > Position 1. Closed / Night
- > Position 2. Exit Only (Entry Only available as additional option)
- > Position 3. Automatic
- > Position 4. Hold Open

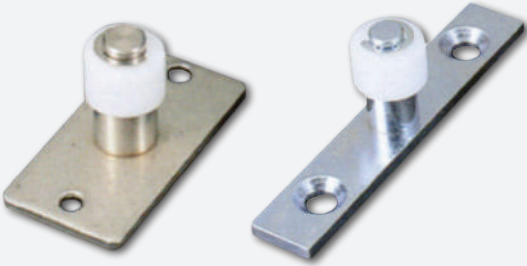
With Push Button (option) for Exit in case night function is selected. Finished complete with 3m Cable.



**Door Profile Solutions** - Various Fixed and Moving profile designs available without glass.



**Frameless Glass Brackets** - Fitting Brackets for 10mm and 12mm Glass thickness available without glass.



**Floor Guides** - Various floor guides for framed and frameless glass doors available.