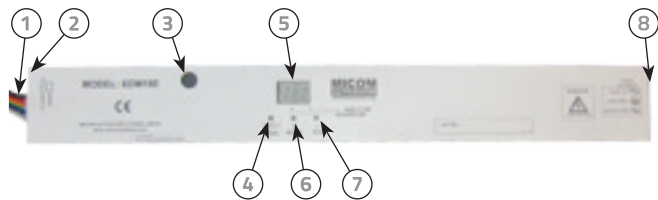


# EDM-30E Control Box

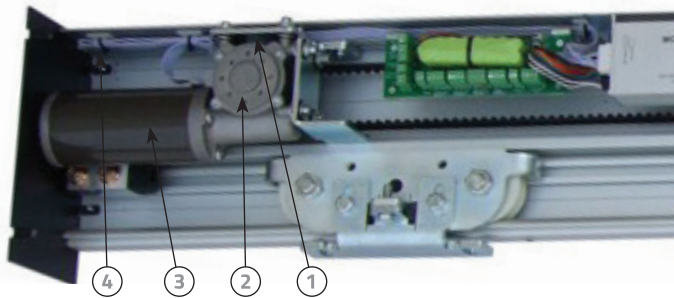
## EDM-30E Control Box



| No:            | Description   |
|----------------|---|
| 1. EMICON      | Connection of EMICON Harness to Control by Plug in  |
| 2. Motor       | Connection of Motor to Control by Plug in   |
| 3. Buzzer      | Audible indication of error status or other applications  |
| 4. Enter Prog. | Hold to enter programme mode  |
| 5. LED Display | LED Display is a visual display for the installer to correctly set up and operate EDM-E Operator.<br><br>LED Display:<br>– LED1 – Function/Application<br>– LED2 – Parameter Value<br>– POWER LED – Power Indicator<br>– INPUT LED – Signal Input Indicator |
| 6. + Reset     | '+' Operational settings – value can be increased.<br>Reset Button – Operation factory settings can be restored.  |
| 7. Test        | '-' Operational settings – value can be decreased.<br>Test Button – Used to check the basic function of the operator when servicing or installation. Activation signal for Test open cycle.   |
| 8. Power       | Input 200–240V AC 3pin Plug in  |

# EDM-30E Motor Gear Box

## EDM-30E Motor Gear Box

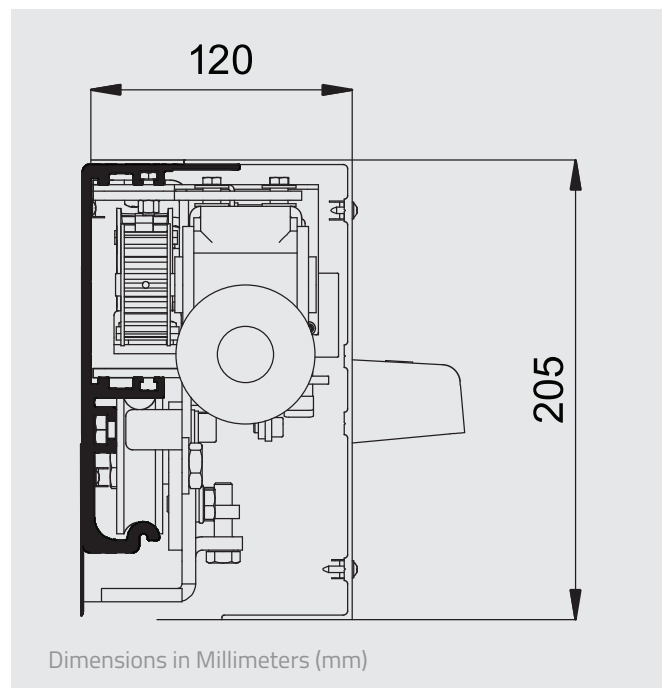


| No: | Description                                  |
|-----|--|
| 1.  | Motor Mount Base with Vibration Proof Rubber |
| 2.  | Motor Pulley (Behind)                        |
| 3.  | Brushless DC Motor                           |
| 4.  | Connection Harness to EDM MD Control Box     |

## Delivery

MICOM EDM-30E Series – Supplied in formats as follows:

- > **EDM-30E 'COMPLETE OPERATOR'** consisting of: Base Rail, Cover, Control Box, EMICON Board, Motor Gear Box, End Covers, Tooth Belt, Belt Bracket Link Assembly, Belt Connection Single & Double Door, Idle Pulley Assembly, Hanger Roller Brackets x4 and Stopper x3
- > **COMPLETE OPERATOR** – Standard Rail Length: Single Leaf – 3000mm, Double leaf – 6000mm
- > **EDM-30E 'FULL KIT'** – (Without Rail & Cover) consisting of: Control Box, EMICON Board, Motor Gear Box, Tooth Belt (7M), Belt Bracket Link Assembly, Belt Connection Single & Double Door, Idle Pulley Assembly, Hanger Roller Brackets x4 and stopper x3
- > **RAIL & COVER** – (Material Only) – Standard Length: Single Leaf – 3000mm, Double leaf – 6000mm



# Specification

## Specification

| Model                            | 30E-S   | 30E-D    |
|----------------------------------|---|----------|
| Application                      | Single  | Double   |
| Door Weight (max)                | 250kg   | 150kg x2 |
| Power Consumption                | 100 – 240V AC / 50 – 60 Hz – 2A   |          |
| Power Output                     | 24V DC, 300mA (for accessory only)  |          |
| Control System                   | Microprocessor  |          |
| Motor                            | Encloses Brushless DC Motor   |          |
| E-Lock                           | Electromagnetic Lock – Fail Secure Lk1/FailSafe Lk2 (optional)  |          |
| Battery                          | Allows open or closing in an emergency situation or when power fails  |          |
| Open Door Speed                  | Adjustable 70 – 500mm/s (adjustable)  |          |
| Close Door Speed                 | Adjustable 70 – 400mm/s (adjustable)  |          |
| Open Door Timer                  | 0 – 60sec (10 steps adjustable)   |          |
| Partial Open                     | 5 – 90% (10 steps adjustable)   |          |
| Safety Obstruction               | Detects when opening/closing by Safety Return/Safety Stop   |          |
| Pressure - Door to Frame         | A small force may be adjusted in order to keep the door closed or open.<br>Force from 0 to 8kg (5 step adjustable)                        |          |
| Operating Temperature & Humidity | Ambient temperate 0°C – 50°C (no consideration or icing).<br>Ambient humidity 30% – 85% (environment must be free of hazardous materials) |          |



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**KENWA**  
Open to new possibilities





# EDM-30E

Automatic sliding door operator  
Exceptional quality, economical prices

CE EN16005 Compliant

**MICOM**  
**AUTODOOR**  
[www.micomautodoor.com](http://www.micomautodoor.com)

# Introduction

**EDM 30E** is the perfect choice for heavy commercial automatic sliding pedestrian doors. Its compact size and aesthetic housing design will compliment any installation project.

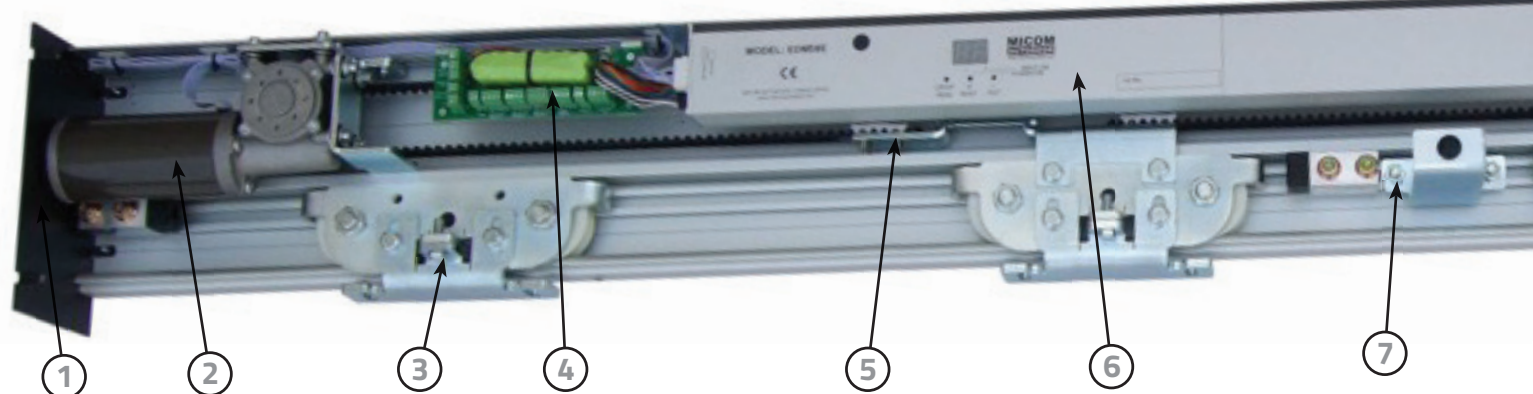
Utilising our advanced microprocessor control unit with a brushless motor, produces near silent and smooth motion up to 500mm/s. Highly reliable, using only quality electronic parts, EDM 30E adapts effortlessly to varied door widths and weight capacities, up to 250kg single and 150kg double leaf.

Installation is simple and achieved in several steps. Starting with a one-time learning cycle of the door stroke and offering variable function adjustment for single or double door leaves. Operational parameters can be adjusted to suit individual installations, through the easily accessible LED visual display found on EDM 30E Control box face.

Designed specifically to meet the highest demands of the European market, EDM 30E is CE, TUV and EN16005 compliant. Offering a host of benefits and features, EDM 30E is truly cost effective providing you with assured long term service.

## Main Features

- > Economical & Cost Effective Sliding Door Solution
- > Power input 100-240VAC (50/60Hz)
- > Door Capacity 150-250kg per leaf
- > Door Open Speed 500mm/s max
- > Memorized one time door stroke
- > Easily accessible sensor and threshold safety Inputs
- > 24V DC Power Output for Accessories
- > LED Digital Control Display
- > Wide Parameter Adjustments
- > Door Speed & Braking Adjustment
- > Energy Saving (% Open) Function
- > Emergency Stop (Open or Close)
- > Ratchet or Flip-Flop Function
- > Battery Open/Close with Monitor as standard
- > Electromagnetic Lock (Fail Safe/Secure) Option
- > Safe & Long Term Operation Guaranteed
- > Selector Switch supplied as standard
- > EN16005 compliant



## Product Summary

| No: | Description                    |
|-----|--------------------------------|
| 1.  | End Cover                      |
| 2.  | Motor Gear Box EDM-30E         |
| 3.  | Hanger Roller Bracket          |
| 4.  | EMICON Board with Battery      |
| 5.  | Belt Tightening Bracket        |
| 6.  | Control Box EDM-30E            |
| 7.  | Cover Support Stopper          |
| 8.  | Centre Pulley                  |
| 9.  | Belt                           |
| 10. | Hanger Roller Bracket (Double) |
| 11. | Base Rail                      |
| 12. | Idle Pulley                    |
| 13. | End Stopper                    |

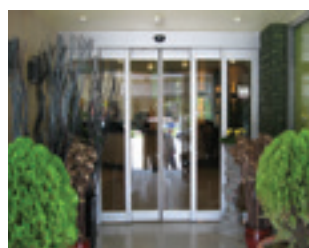


## EDM-E Series

EDM 18E



EDM 18E 2S/D



EDM 30E



EDM18E RD





# MICON Communicator

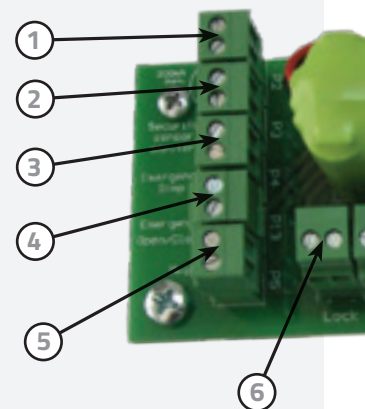
## EMICON Communicator - Quick and Easy Connections to Accessories and Ancillaries

Our **EMICON** interface board offers a quick means of installation. Communication of all accessory and safety signals are combined with battery input and lock control. Working in parallel, these signals are controlled via our Selector Switch for greater ease of operation by the end user.

MICOM Rotary Key Selector Switch is supplied as standard together with EDM-E Series operator allowing selection of 4 separate door modes. In a fire retardant black plastic mount box with cover design in white, MICOM function selectors can be fitted to walls or aluminium frames alike.

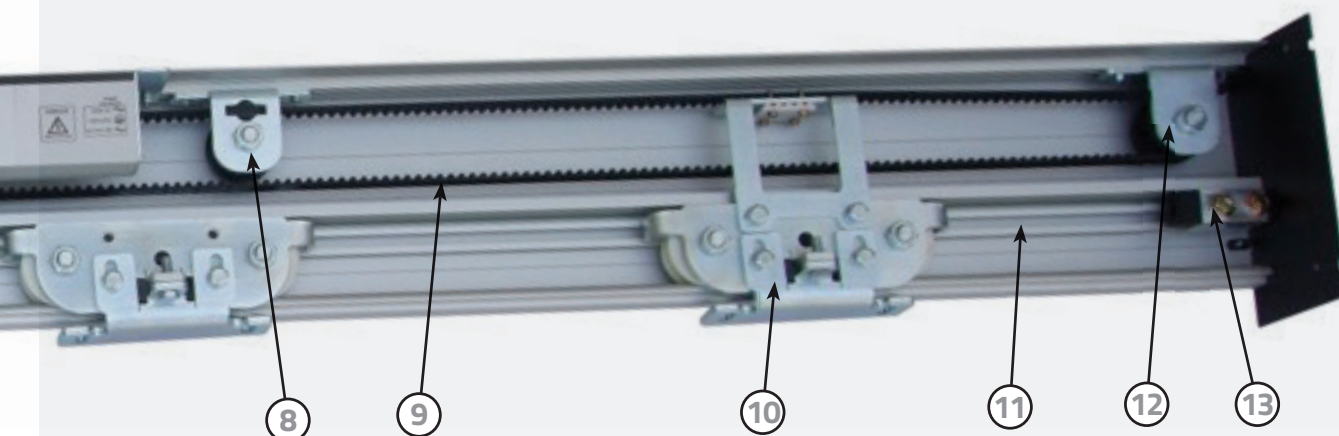
### Functions:

- > Lock – Night/Closed
- > Exit Only
- > Automatic
- > Hold Open



The **EMICON** communicator inter-connects the Control Unit with the different peripheral components as follows:

| No: | Description                     |
|-----|---------------------------------|
| 1.  | 24V Output 0.3A max             |
| 2.  | Monitoring Input                |
| 3.  | Emergency Stop Input            |
| 4.  | Emergency Open/Close Input      |
| 5.  | Night Switch                    |
| 6.  | E-Lock Output                   |
| 7.  | Internal Sensor with 24V Output |

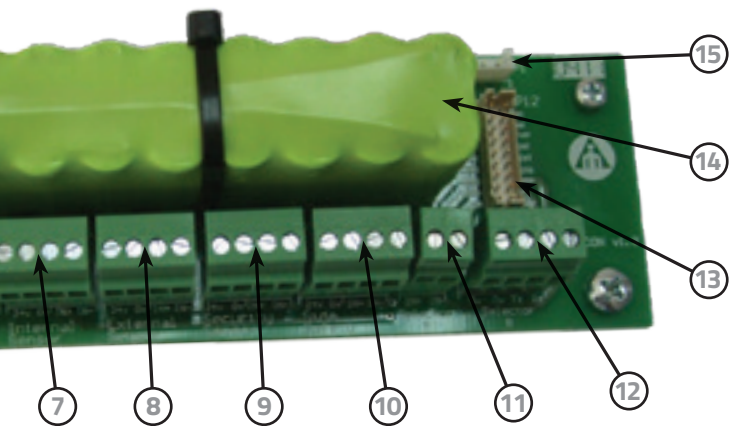


**EDM-30E Series** complies with all new EU regulations (EN16005) for enhanced automatic door safety. Designed for use with a new range of sensors such as BEA IXIO-S & Optex OA-Axis-T.

**IXIO-S** is an active infrared presence sensor. The tridimensional area of its infrared curtain protects the users from any contact with the doors. Adjustment is made easier with an LCD screen offering 10 different widths of curtains, to cover the full travel area of the door.

**OA-AXIS-T Series** based on active infrared technology. Developed as a combination sensor for threshold safety and activation, the OA-Axis T is in compliance with the latest European and local regulations as EN 16005 and DIN 18650, tested and approved by the German test organisation TÜV. Due to its variety in output options the OA-Axis series meets the requirements in various markets throughout Europe.





| No: | Description                        |
|-----|------------------------------------|
| 8.  | External Sensor with 24V Output    |
| 9.  | Safety Beam Sensor with 24V Output |
| 10. | Side Screen Sensor with 24V Output |
| 11. | Selector A                         |
| 12. | Selector B                         |
| 13. | Control Unit Connector             |
| 14. | Battery                            |
| 15. | Battery Connector                  |

**EDM-30E** when used without monitoring 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

## Accessories

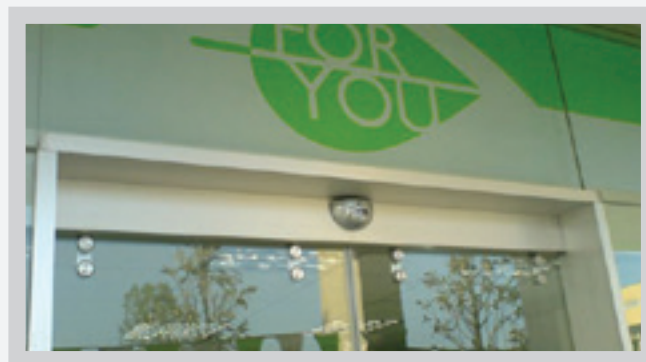
**MICOM Digital Selector Switch** offers further options of door control. A digital touchpad, allows selection of 6 separate door modes. Economic in design, MICOM Digital Selectors are easy to install and operate. Supplied in a fire retardant black plastic mount box, with attractive cover design in white, our function selectors can be fitted to walls or aluminium frames alike.

### Functions:

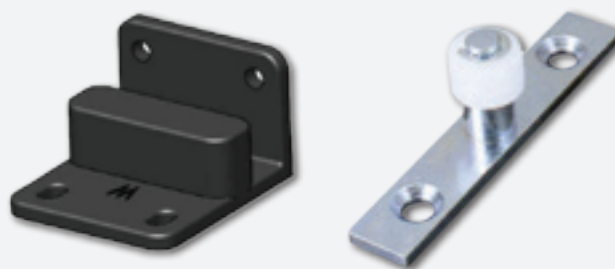
- > Lock – Night/Closed
- > Exit Only
- > Entry Only
- > Automatic
- > Hold Open
- > Half Open



**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.