



## CHARACTERISTICS OF ESDOR AUTOMATIC SLIDING DOOR

### NEW DIMENSION IN AUTOMATIC DOOR

Esdor®, computer controlled (intelligent) automatic door, is a perfect product which is given to 21<sup>st</sup> Century as a gift and where intelligence is backed by aesthetics as a result of R&D lasted continuously for years. esdor® EWS Automatic Sliding Doors having Waldoor smart door technology enables contemporary architecture applications an aesthetic support with its 12 cm mechanism height. With its electromechanical unit, separate from rail, esdor® can be easily applied to the existing and new doors (aluminium, wood, glass, PVC).

Its installation will be completed within 3 hours by an esdor® technician. After the installation of leaf unit is finished and the door is slid by hand, the electromechanical mechanism will be fitted and then will be operated. This perfect product to be installed with prepared installation elements through just a mounting spanner guarantees operating for many years by protecting from negative external factors such as dust, blow etc.

### WALDOOR SMART DOOR TECHNOLOGY

Waldoor smart door technology is an intelligent door technology developed thanks to combination of fuzzy logic technology and automatic door system. It provides self-monitoring control with its advanced micro processor. Intelligent esdor®, able to operate, think and interpret through Waldoor smart door technology, protects itself from defects resulting from every kind of mishandling. Door movement is continually calculated and recorded to the memory. It makes the speed adjustment by own and does not allow sudden movements.

#### 1.MOTOR AND CONTROL UNIT

- 1.1.DC type motor (230 V) with suspension system, noiseless and smooth door movement.
- 1.2.Opening speed : 0,14 -1,4 m/s, adjustable in 10 positions.
- 1.3.Closing speed : 0,14 - 1,0 m/s, adjustable in 7 positions.
- 1.4.Being adjusted the speed automatically through reduction by computer at the ends of opening and closing.
- 1.5.Adjustable open hold time from 1 to 100 s.
- 1.6.Winter opening : Adjustable in 4 levels.
- 1.7.Sequential opening (Airlock) : Used where 2 doors are available as one after the other; adjustable from 1 to 100 s.
- 1.8.Functions such as automatic opening-closing, one-way traffic, open, closed and locked (optional), reduced opening, sequential opening (airlock), night switch where no service door.
- 1.9.Adjusting the opening and closing spaces automatically by means of advanced micro processor.
- 1.10Recalling its automatic movement when it encounters any obstacle in front or behind (except radars and photocells) during opening and closing. Not damaging to itself or the obstacles.
- 1.11.Signalling in every kind of user mistakes (LED indicator). This ensures the faults occurred by mishandling to be determined correctly.
- 1.12.Others : Alarm, emergency opening, air curtain control.

#### 2.MECHANICAL UNIT : esdor® design

- 2.1.Simple to assemble, electromechanical unit separate from rail (plug and play concept).
- 2.2.Opening width : 2 m (option : 3 m).
- 2.3.Mounting profile : 121 mm height.
- 2.4.Rail : 119 mm height.
- 2.5.Cover set : Self-inserted / fitted upper side cover, front side cover, side covers.
- 2.6.Carrier (2 carriers and 1 contour with every carrier):240 kg of carrying capacity, developed for intensive use.
- 2.7.Easy opening and closing manually in case of power failure. After power failure the mechanism programmes itself automatically.

### 3.CONTROLLING

Door movements can be controlled by the authorized person with a SELECTOR SWITCH. It can be mounted anywhere requested up to 20 m.

### 4.OPENING AND SAFETY

Movement of door leaves are provided by radar, pushbutton, magic switch, elbow switch, large pushbutton, card or code systems, etc. to be mounted to the interior and exterior parts. **Photocell** is used for the purpose of preventing the moving leaf from hitting objects likely to be available in the detecting area of radar when the open hold time has been over and the door started to close.

### 5.OPTIONS

Electrical lock, mechanical lock, accu (with various use alternatives), emergency exit button, night switch, air curtain.

### 6.Esdor® AUTOMATIC SLIDING DOOR ALUMINIUM UNITS : ES 20, ES 30, ES 45.

**Esdor® sliding door units are put up for sale with Ekol's contributions and Ekol has TSE Service Qualification and has the right to give Guarantee Certificate with the authorization of Industry and Trade Ministry.**

