

M A D E I N G E R M A N Y

 **Erichsen**
Automatic Door



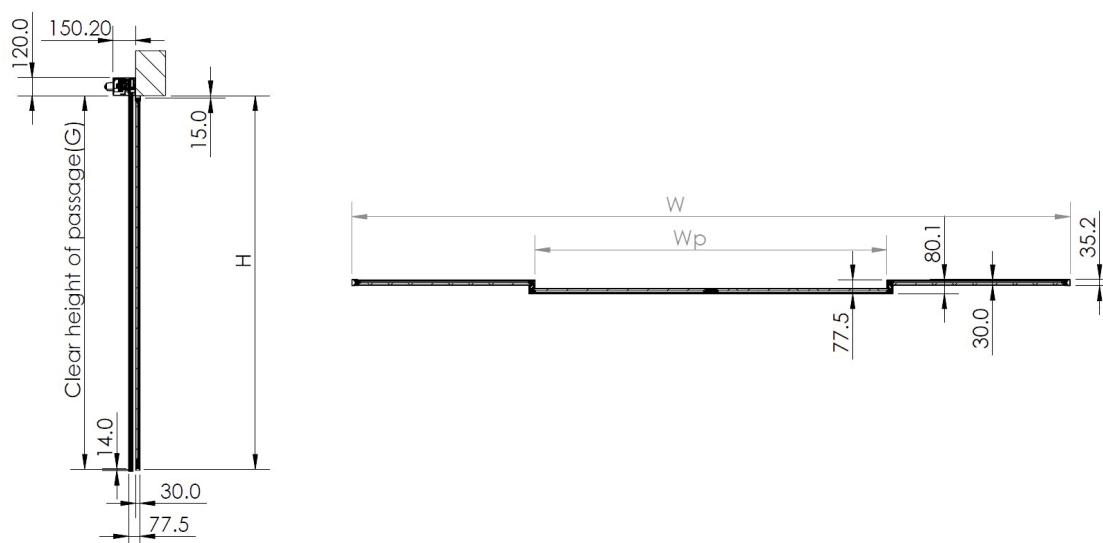
EAD28
Automatic Sliding Door

EAD28

If you desire the smartest technology, the most efficient system, the smoothest entrance solution and the most elegant design, we are proud to say that the search is over: EAD28 Series is what you are looking for!



We have considered your longing for a glamorous facade and this is why our system offers the 120 mm header. Our sleek profiles are a perfect combination of beauty and strength. The aesthetically pleasing entrances we provide enjoy impressive frame designs, which are capable of matching with both aluminum and glass to fulfill every single need for modern charming architecture.



Technical Detail EAD28

Technical Detail	EAD28
Opening width - single leaf	800 - 2000mm
Opening width - double leaf	1000 - 3000mm
Max leaf weight (single)	200kg
Max leaf weight (double)	2 x 150kg
Operator height	120mm
Operator depth	150mm
Opening speed	Variable up to 1.1m/s (Double leaves)
Closing speed	Variable up to 1.1m/s (Double leaves)
Hold-open time	0 - 30s adjustable
Protection class	IP20
Ambient temperature	-15 to + 50°C
Input power	230V AC $\pm$ 10%, 50/60 Hz
Input power US-version	115V AC $\pm$ 10%, 50/60 Hz
Max power consumption	250W
Gear motor power	100W
Track profile	Detachable aluminum
Rechargeable backup battery	optional
Max operation cycles with 2.2 Ah backup battery	$\approx$ 400
Digital programme switch	optional
Electromechanical lock	optional
Power lock	✓

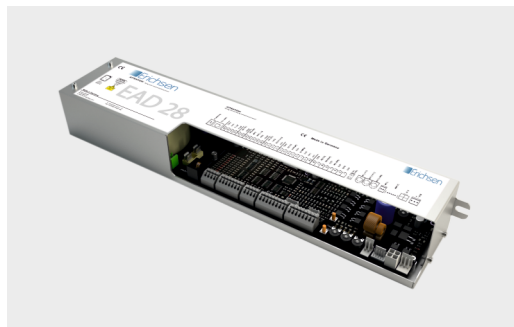
Technical Detail	EAD28
24V DC output for external accessories	✓
Read-out error memory with error codes (with digital program switch)	✓

Standards	EAD28
German standard DIN 18650	✓
EU standard EN 16005	✓
EU standard EN 60335	✓
EU standard EN ISO 13849	✓
Manufactured according to DIN ISO 9001	✓
EU low-voltage directives	✓
EU EMC directives	✓
CE conformity	✓
Tested for 1.000.000 Cycles	✓

Frame Types	EAD28
TBS	✓
THB	✓
UTS	✓
Saturn	✓
Frameless	✓

CONTROL UNIT

EAD-28 new controlling microprocessor circuit board is designed and made by utilizing the most novel parts and latest technologies. Hence despite its miniscule size, its capabilities are incredibly superior to those of older models. In each and every step of designing and producing this controller, we have taken care of all research, design and production stages in Germany and under close supervision of our German engineers who have decades of invaluable experience and we have also thoroughly followed all European Union and German DIN norms, such as machinery directives and electromagnetic compatibility (EMC) regulations. This has led EAD-28 controller to ensure your safety and live a much longer prosperous life compared to similar products. More over, due to the use of sophisticated technologies to save energy and resources, you can be justly proud of enjoying an ecofriendly technology!



EN ISO
13849-1

DIN
18650-2

DIN
18650-1

EN
16005

EN
60335-1

Some other points worth mentioning are:

- Ability to work with battery in case of power-cut for non-escape models.
- Ability to charge and perfectly maintain the battery, which brings the battery a much longer life time.
- Ability to match with various types of sensors available in the market.
- Ability to be adjusted and programmed by digital programme switch.
- Self-diagnosis and error detection.
- Having standard RS 485 interface for connecting to other accessories.
- Ability to automatically adjust speed and slopes according to input voltage changes.
- Ability to work with 20% higher or lower than nominal input voltage.
- Completely protected system input ports which reduces the damage risk due to human error during installation.

GEAR MOTOR

In case you fancy the most reliable system which will be there for life, EAD-28 is your best option possible. Made in Germany, their robust motor easily handles high traffic for an indefinite time. It assures durability and promotes maximum efficiency. Being maintenance-free and having surface protection and minimum interference radiation, this motor promises user-friendliness and longevity. EAD-28 brushed DC motor works so smoothly that their noise is literally like an almost inaudible whisper!



POWER LOCK

In many cases, there is no real need for (optional) electromechanical lock and buildings ensure security by other means. However, it is necessary for the entrance to be allowed limited access. In this case, power lock free function is a wholesome solution. When the door is locked, if there is pressure on it for becoming open, the motor will use its full power in the opposite direction and make it practically improbable to enter for unauthorized individuals.

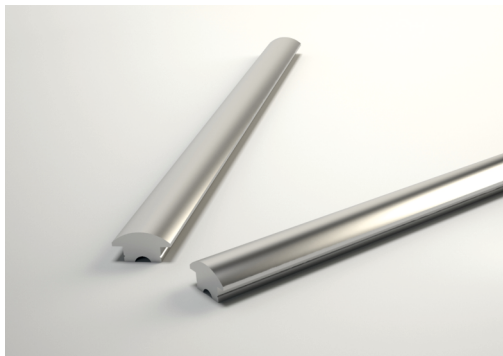


TRACK PROFILE

ALUMINUM TRACK PROFILE

There are so many pleasant sounds on this planet which color our world. However, EAD sliding doors please you with nothing but a faint hum! You see you're EAD doors open welcomingly although you do not hear them!

Our unbelievably smooth entrance solution employs a detachable aluminum track profile with a rubber profile to reduce the noise to no more than a muffle.



ACCESSORIES

Battery

Our doors will always open for you! EAD sliding systems' 2.2 Ah battery will be your trusted friend for all time. This strong vital part will open and close your door up to 400 times in case of power failure. You never have to worry again whether your backup generator supports you or not because ED28-Series is its own backup!



Digital Programme Switch

Our digital program switch's easy-to-read, full-text display provides perfectly well-defined access to all performance data and parameters. Adjustment and diagnostic processes can be accurately duplicated or customized to meet your specific needs. Moreover, it has protection password code. It must be hard to resist the lure of such a brilliant "optional" part!



Electromechanical lock

EAD electromechanical lock has been designed for the highest levels of security. It utilizes steel pins to lock both leaves simultaneously and therefore, is much safer compared to those models which lock the timing belt or just one leaf. Furthermore, since it employs bistable mechanism, system's power reset does not affect the lock's state. Due to using powerful batteries and an intelligent circuit, battery usage is reduced to zero when the door is locked and there is a power-cut. Thus, even weeks after the input electricity has been cut, the system can open the lock and the door by the key switch, which is an optional accessory and can be installed outside of the entry area.



*In case of using a remote control or any other battery-operated device, battery's life in the event of power-cut depends on how much the receiver or other accessories draw on the energy.

Mechanical Key Switch

A mechanical key switch might sound a little old-fashioned. The up side, however, is that due to its being around for quite a long time, you will need no special knowledge or expertise to enjoy its advantages. It also offers five modes: full open, partial open, lock, automatic and one-way. This key switch is simply another tempting accessory!



EAD28 is specially designed for the most demanding interior or exterior applications and provides superior strength and sturdiness. This model can easily handle a maximum load of 300 kg. EAD28 welcomes traffic where tall and heavy doors or triple-glazing glass are required, is low maintenance, energy saving and the safest solution for you, regardless of whether you are relaxing at a hotel, having fun at a recreational center, shopping at a chain store or taking care of administrative tasks at a governmental building.





 **Erichsen**
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MADE IN GERMANY

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