



Airdrive68NG

Automatic Sliding Door

www.deuschtec.de

Airdrive68NG

68mm*135mm - the tiniest powerful operator available in the world market

In spite of owning a 100W motor and handling a weight of 135kg for each leaf, this fabulous operator has an absolutely low operator height and unbelievably low depth.



LIKE THE HUMMING BIRD,
FIVE THE HANNING BIRD

the most miniature bird in the world who is renowned for being incredibly brisk and agile yet silky smooth, our Airdrive series brings you exquisiteness combined with strength and soft performance.

Standard	Airdrive68NG
Compliant with German standard DIN 18650	✓
Compliant with EU standard EN 16005	✓
Compliant with EU standard EN 60335	✓
Compliant with EU standard EN ISO 13849-1	✓
Compliant with EU low voltage directives	✓

Standard	Airdrive68NG
Compliant with EU EMC directives	✓
Manufactured according to ISO 9001	✓
CE conformity	✓
Tested for 1 million cycles	✓

Technical Detail **Airdrive68NG**

Opening width - single panel	800 - 2000 mm
Opening width - double panel	1000 - 3000 mm
Max leaf weight, single	1 x 150 Kg
Max leaf weight, double	2 x 135 Kg
Operator height	68 mm
Operator depth	135 mm
Opening speed	Variable up to 0.9 m/s (Double leaves)
Closing speed	Variable up to 0.9 m/s (Double leaves)
Hold-open time	0 - 30 s
Ambient temperature	-15 to + 50°C
Protection class	IP 20
Track profile	Stainless Steel
Anti-noise rubber profile	✓
External protected power supply	✓
Power supply power	230V / 24V, 130VA
Gear motor power	100 W
Number of motors	1
Number of control units	1
Number of hangers per leaf	2
Dual gear motor and control unit set for master and slave concept	-
Max power consumption	250 W

Technical Detail **Airdrive68NG**

Max operation cycles with 2.2 Ah battery (Optional)	≈400
Possibility to adjust force limitation according to DIN18650 and EN16005	✓
Possibility to use safety sensors with testing signal	✓
Emergency exit routes in both directions	-
Mechanical key switch (Optional)	✓
24V DC output for external accessories	✓
Power Lock	✓
Possibility of using electromechanical lock (Optional)	✓
Lock monitoring	✓
Possibility of using digital programme switch (Optional)	✓
Read-out error memory with error codes (with digital programme switch)	✓
Programmable output (Optional)	✓
Programmable input (Optional)	✓
Possibility of using more software and hardware options by using DEAP device (Optional)	✓

Frame Types

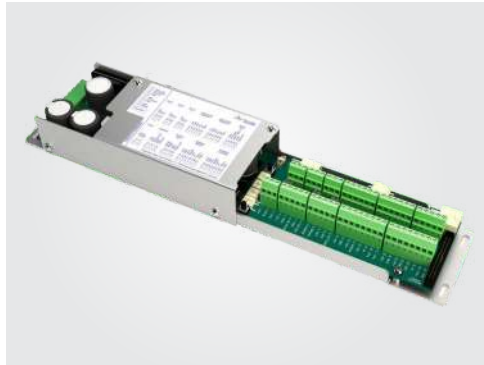
Air-TBS	✓
TBS	✓
UTS	✓
Saturn	✓
Frameless	✓

Designed • Developed • Made in Germany

CONTROL UNIT

Meeting the following standards:

EN ISO 13849-1 | DIN 18650-2 | DIN 18650-1 | EN 16005 | EN 60335-1



DIN
18650

EN
16005

EN
60335

- 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.
- Possibility of using more software and hardware options by using DEAP device.

GEAR MOTOR

Like its other state-of-the-art parts, Deuschtec Airdrive68NG motors are fully made in Germany. Their 100W motors are absolutely indestructible and are there to ensure reliable performance for a lifetime. Great efficiency and enhanced function are achieved through employing years of experience and the latest technologies in the process of our motors' design and production. These brushed DC motors are so quiet that while in action, you will hear nothing but a muffled sound.



TRACK PROFILE

Stainless Steel Track Profile | Timeless Presence

Deuschtec Airdrive68NG plays the most hauntingly beautiful music: smooth silence! By making use of stainless steel track profiles, we have managed to present you with trustworthy hard-wearing entry solutions which will please your eyes with their splendor and will treat your ears kindly by their soft performance. The artistic profiles also make our Airdrive68NG stay with you for a much longer time.





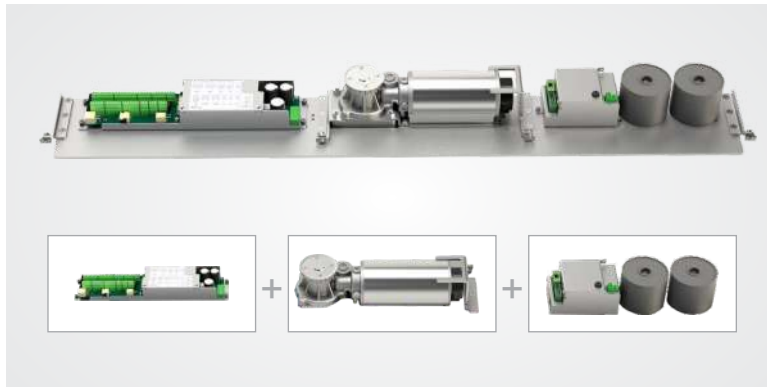
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PRE-ASSEMBLED MODULE

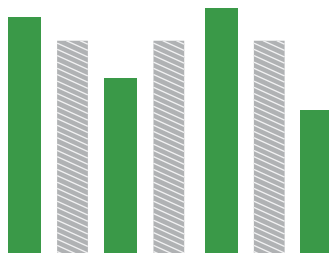
Applying pre-assembly method and mounting most parts on the module have made this state-of-the-art system's installation and service amazingly quick and painless. Instead of mounting the parts one by one, the installer will only have to place the module with its all pre-assembled parts in position.



GREEN TECHNOLOGY

Less than 0.5 W usage in lock and full-open positions

This feature which is unique to us and is patented by Deuschtec GmbH has a considerable effect on energy consumption: when putting the door in full-open or locked position, sensors will turn off. Moreover, all energy consumers connected to the operator will shut out and system's energy usage will be limited to a very low current for charging and keeping the battery in good condition. By pressing any buttons of the digital key, changing the mechanical key status or winding the safety key outside the door, the system will immediately start running and functioning just as smoothly. When the door is in full-open or locked position, it uses less than 0.5 W.

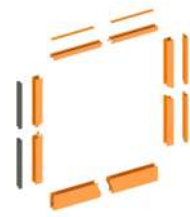


Frames

Air-TBS

Invisible frame top when employing Air-TBS profile system

The combined design of Airdrive68NG system accompanying thermal break Air-TBS frames has resulted in its horizontal upper profile being invisible and has been a tremendous help in bringing outstanding gorgeousness to any entrance. By using Air-TBS thermal break frames, you will have the one-of-a-kind solution which not only gives you incredible beauty, but also saves the energy.



TBS

When saving energy is of importance, TBS frame is an economical and inexpensive solution.



UTS

UTS frame is the non-thermal break version of TBS and has all its advantages.



SATURN

Saturn is a reasonably-priced frame suitable for single-glazing and tempered glass.



FRAMELESS

This full-glass system is the most suitable choice for those who wish to have elegance combined with radiance.



Accessories

Mechanical Key Switch

Deuschtec Airdrive presents its mechanical key switch with the five modes of full open, partial open, lock, automatic and one-way. Simple yet functional, this is another accessory which will definitely come in handy.



Digital Programme Switch

User-friendly has been given a whole new meaning with this digital programme switch's easy-to-read, full-text display. You will get easy access to all performance data and parameters and for any special need you might have, its adjustment and diagnostic processes can be accurately duplicated or customized. Protection password code is another significant feature of this digital programme switch. Such a terrific "optional" part cannot be ignored!



Electromechanical Lock

Deuschtec Electromechanical lock has been a dependable way to safeguard your security all the time. 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 bi-stable 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.



Battery

We are offering you doors which will never fail. Deuschtec Airdrive batteries provide the system with steady flow of energy. In the event of a power-cut, the 2.2 Ah battery will provide you with ≈400 cycles of open/close. No matter what, these doors with their marvelous operating systems will not let you down!





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