

SOLUTIONS FOR ADVANCED WINDOW CONTROL



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BRELATRONIC® 百瑞®
AUTOMATIC WINDOW CONTROLS



尊敬的客户和合作伙伴们：

在扉页您可以看到“我们驱动窗户”。这代表的不仅仅是单纯的口号，它表达了我们自己的理念。我们要驱动自己，拓展自己，并且从来没有停留于现有的技术标准。

Brelatronic 是您衷心的合作伙伴，我们具有超过 20 年的自然排烟排热和自然通风领域的专业经验。

在接下来的介绍里您会发现更多关于我们的信息和我们的业务内容。

如果您有任何问题，请不要犹豫，与我们联系，我们将给您提供所需要的准确信息。

auf dem Titel stehen die Worte “Wir bewegen Fenster” und damit ist weit mehr als das reine Material gemeint. Es ist ein Ausdruck unsers Selbstverstaendnisses. Wir wollen uns bewegen, Entwicklungen anstossen, nicht still stehen auf dem etabliertem Stand der Technik. Mit BRELATRONIC steht ihnen eine ambitionierte Firma zur Seite, welche aus ueber 20 Jahren Erfahrung im Bereich RWA und natuerlicher Lueftung schoepfen kann. Auf den folgenden Seiten erfahren Sie mehr ueber uns und unsere Geschaeftsfelder. Und wenn Sie Fragen haben, zoegern Sie nicht Kontakt mit uns aufzunehmen, damit Sie genau die Informationen erhalten, die Sie benoetigen.



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15+ YEARS
PROFESSIONAL MANUFACTURER
 specialized in window control and sun-shade
FOU YOU

Reliable quality is the greatest value we bring to you



ur company Introduction

Nanjing Brela Electric Equipment Co., Ltd. is a professional research and development company with more than 10 years experience devoting to natural smoke and heat exhaust system, ventilation system, sun shading system. Research and development team in the industry enjoys an excellent reputation, in the continuous pursuit of improving the quality of products accumulated rich experience, so as to ensure that Brelatronic products leading the industry of high quality, high performance.

Brelatronic (China) is a team composed of professionals engaged in fire protection consulting, intelligent ventilation, building energy saving and other fields for a long time. We can provide users with a complete set of professional services including scheme design, product support, installation and commissioning and after-sales service.

Brelatronic (China) adheres to the tenet of Nanjing Brela Electric Equipment co., Ltd. to serve the society with technology and create the future with quality. In combination with the professional and regulatory requirements of China, its products have obtained CCCF and CCC national compulsory product certification for fire protection electronic products. Will better serve China's modernization construction and to create intelligent, energy saving, environmental protection of the building and environment efforts.

For more information, please visit: www.brelatronic.com.cn



Our Design

Strong design background

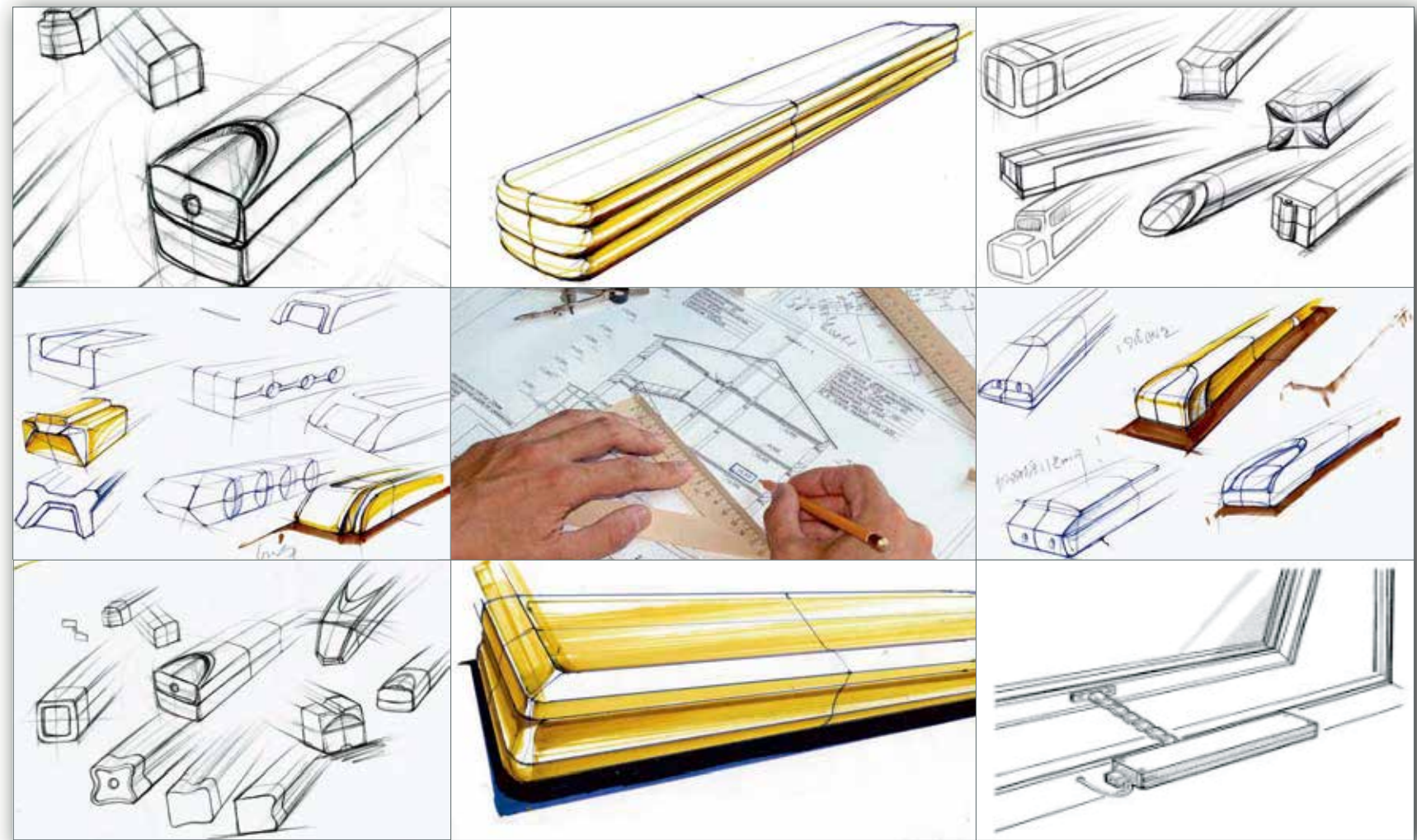
Countless **Innovations**

Advanced Concept

Leading Quality

Rich **Experience**

All from **Thousands of Designs**



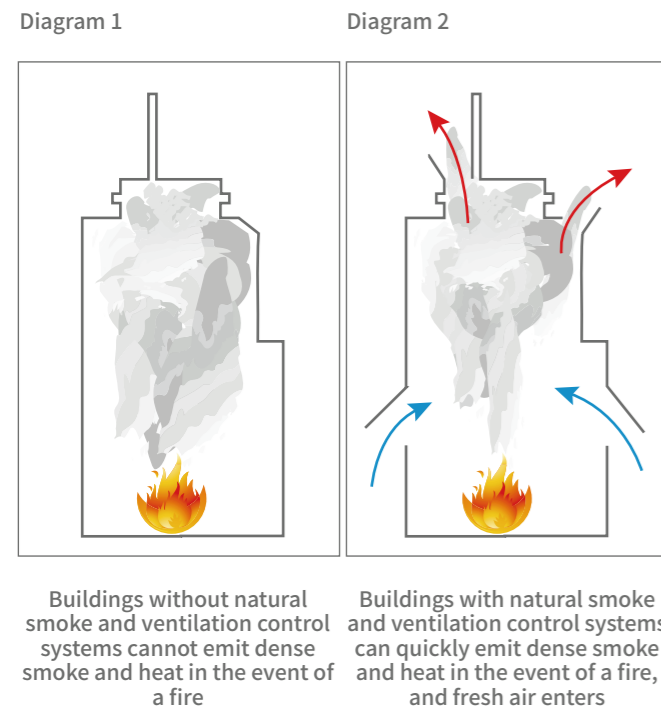
Our inspiration comes from life
We always design every product from the perspective of users
we believe time is the only criterion for inspecting products

Natural smoke exhaust ventilation control system

Natural smoke exhaust ventilation control system

The control system can be divided into two parts: fire protection smoke exhaust and daily ventilation;
 It has the function of fire protection smoke exhaust priority and fire protection linkage;
 The daily ventilation part can be automatically controlled by manual switch and wind and rain probe;
 Various types and capacities of control boxes are convenient for more suitable choice;
 The control box has an automatic detection function;
 Fire protection smoke exhaust can be connected to one or more alarm lines, which can be controlled by external alarm devices such as emergency buttons and smoke detectors;
 In an emergency, the backup battery of the control box can work continuously for 72 hours.

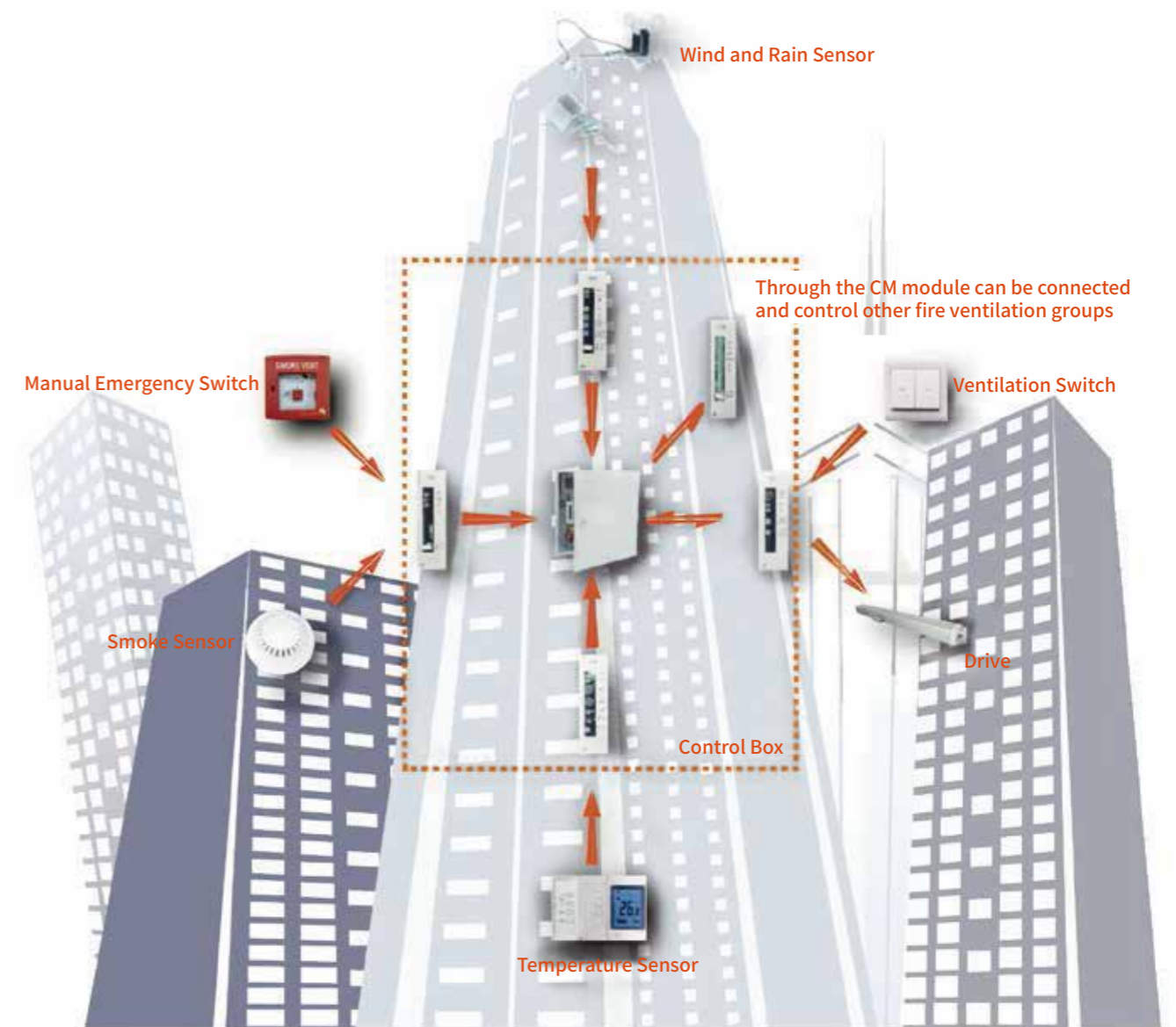
Function diagram of natural smoke exhaust ventilation control system



Importance and necessity of natural smoke exhaust ventilation control system

When a fire happens in a building, more casualties are caused by dense smoke and heat. The operation of the natural smoke and heat exhaust system can maximize the exhaust of smoke and heat inside the building, and improve the probability of survival and escape.

The natural smoke and heat exhaust system is automatically connected to the building's fire protection system. When a fire happens, all smoke exhaust windows are automatically opened, and the smoke and heat are quickly exhausted, reducing the accumulation of smoke and heat inside the building, and effectively protecting the internal structure of the building and life and property safety.



The composition of the natural smoke exhaust ventilation control system in the building and the description of each component

	Manual Emergency Switch	In the event of a fire, open all fire-fighting smoke windows with the highest priority and issue a fire alarm
	Smoke Sensor	Once a fire alarm happens, the window opener will automatically turn on
	Wind and Rain Sensor	Automatic detection and controls the window opener to automatically open or close
	Temperature Sensor	Automatic detection and controls the window opener to automatically open or close
	Control Box	Receives, processes and sends out signals, and is equipped with emergency power supply. Automatic power supply in emergency situations
	Ventilation Switch	Daily ventilation control
	Drive	Receives the command from the control box and executes the opening or closing action
	A Complete System Source	A complete system source, in the system each component adopts a networking method to meet the complex control requirements

In order to maximize the performance and safety, the configuration of the system must be carefully selected, and compatibility issues must be considered. Brela Electric Equipment Co., Ltd. will provide you with the best customer service.

Window Opener Series Chain Drive ECD (24VDC)

ECD



Product Functions and Features:

Aluminum alloy shell and high precision anodized surface treatment to ensure long-term outdoor use;
 No-load life-cycle 30000, full-load 10000 (double strokes);
 High clamping force;
 Soft close function;
 Stroke and push-pull force can be customized;
 Built-in electronic synchronized model, especially suitable for wide windows. (Suitable for the window which need two or more drives working simultaneously)
 The electronic synchronized model can set two speeds and two stages of push through the software to meet the different opening requirements of ventilation and fire fighting.



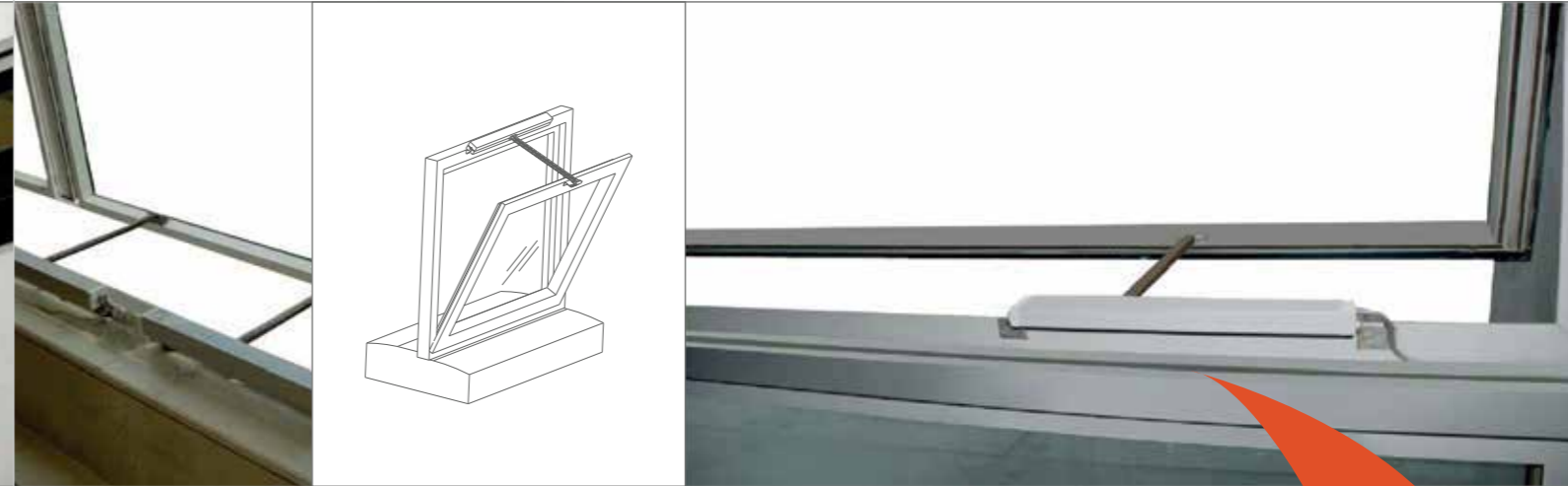
Product Model:

S/N	Product Model	Voltage (VDC)	Current (A)	Push/pull (N)	Stroke (MM)	Dimension L*W*H (mm)
1	ECD300/350	24	1.0	300	350	436*51*40
2	ECD300/600	24	1.0	300	600	561*51*40
3	ECD300/800	24	1.0	300	800	661*51*40
4	ECD300/1200	24	1.0	300	1200	866*51*40
5	ECD500/350	24	1.4	500	350	436*51*40
6	ECD500/600	24	1.4	500	600	561*51*40
7	ECD500/800	24	1.4	500	800	661*51*40
8	ECD500/1200	24	1.4	500	1200	866*51*40

Stroke and push-pull force can be customized.

Window Opener Series Chain Drive ECDA (220VAC)

ECDA



Product Functions and Features:

Aluminum alloy shell and high precision anodized surface treatment to ensure long-term outdoor use;
 No-load life-cycle 30000, full-load 10000 (double strokes);
 Can directly connect with 220V electric supply;
 High clamping force;
 Soft close function;
 Stroke and push-pull force can be customized.



Product Model:

S/N	Product Model	Voltage (VDC)	Power (VA)	Push/pull (N)	Stroke (MM)	Dimension L*W*H (mm)
1	ECDA300/350	220	25	300	350	586*51*40
2	ECDA300/600	220	25	300	600	711*51*40
3	ECDA300/800	220	25	300	800	811*51*40
4	ECDA500/350	220	30	500	350	586*51*40
5	ECDA500/600	220	30	500	600	711*51*40
6	ECDA500/800	220	30	500	800	811*51*40

Stroke and push-pull force can be customized.

Window Opener Series Light Chain Type ELD (24VDC)

ELD



Product Functions and Features:

Aluminum alloy shell, plastic-sprayed surface;
 Push-pull force 300N;
 Stroke 300 mm;
 Small shape, can be hidden in the window profile;
 Built-in wireless remote control (optional);
 Soft close and close stress release to protect profile frame and prolong adhesive strips life;
 Drive stroke, force, speed and other parameters can be adjusted by computer software, easy debug and maintain;
 The built-in electronic synchronized driver is especially suitable for wide window;
 The electronic synchronized model can set two speeds and two stages of pushing through the software to meet the different opening requirements of ventilation and fire fighting.

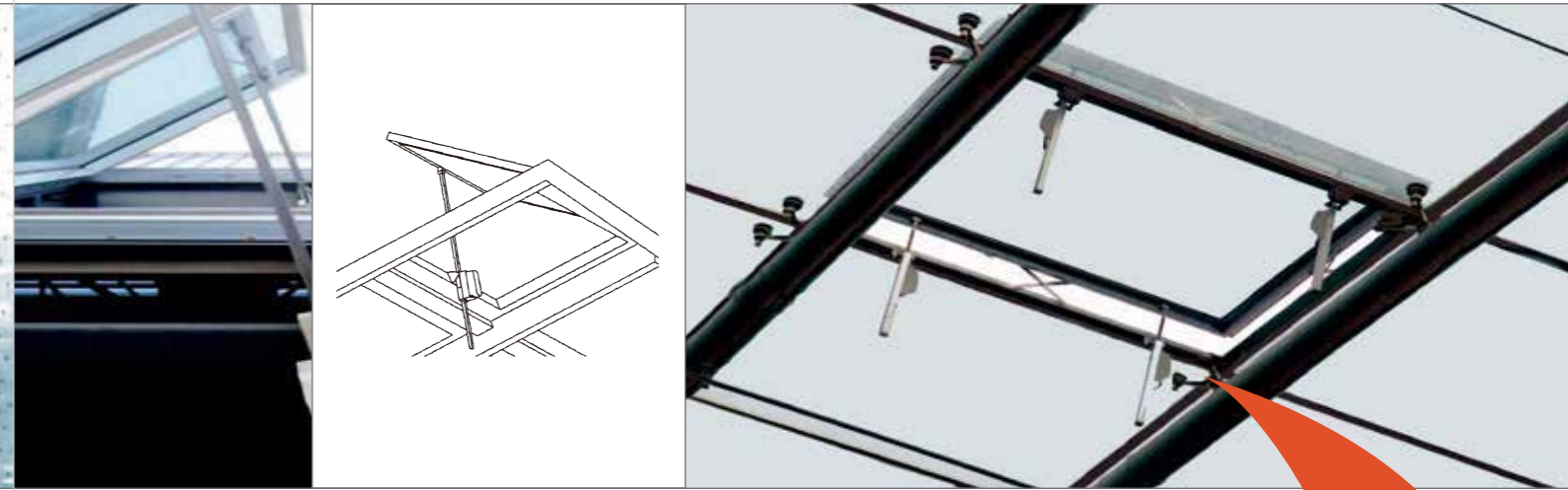


Product Model:

S/N	Product Model	Voltage (VDC)	Power (VA)	Push/pull (N)	Stroke (MM)	Dimension L*W*H (mm)
1	ELD300/300	24	25	300	300	450*43*30

Window Opener Series Rack Drive ERD (24VDC)

ERD



Product Functions and Features:

Aluminum alloy shell and high precision anodized surface treatment to ensure long-term outdoor use;
 No-load life-cycle 30000, full-load 10000 (double strokes);
 High clamping force;
 Soft close function;
 Stroke and push-pull force can be customized;
 Built-in electronic synchronized model, especially suitable for wide windows. (Suitable for the window which need two or more drives working simultaneously)
 The electronic synchronized model can set two speeds and two stages of push through the software to meet the different opening requirements of ventilation and fire fighting.



Product Model:

S/N	Product Model	Voltage (VDC)	Current (A)	Push/pull (N)	Stroke (MM)	Dimension L*W*H (mm)
1	ERD300/350	24	0.8	300	350	513*31*31
2	ERD300/600	24	0.8	300	600	763*31*31
3	ERD300/800	24	0.8	300	800	963*31*31
4	ERD500/350	24	1.0	500	350	513*31*31
5	ERD500/600	24	1.0	500	600	763*31*31
6	ERD500/800	24	1.0	500	800	963*31*31
7	ERD800/350	24	1.2	800	350	513*31*31
8	ERD800/600	24	1.2	800	600	763*31*31
9	ERD800/1000	24	1.2	800	1000	1163*31*31
10	ERD1000/600	24	1.4	1000	600	763*31*31

Stroke and push-pull force can be customized.

Our Projects 案例展示

Here's parts of our projects

