



Motors, Controls and Components



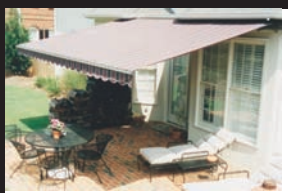
for **Awnings**



Photo courtesy of Accurate Awnings Santa Ana, CA

Elero Motors: Reliable Technology

Retractable Awnings are a practical way to increase the comfort of your home while enhancing its appearance. Modern motorized awnings utilizing quiet and reliable Elero tubular motors offer convenience at the touch of a switch.



Motorized Awnings are the ideal way to provide outdoor comfort and sun protection. At the same time they can reduce indoor temperatures and protect your valuable furnishings from the damaging rays of the sun. Depending on the weather - sunny, windy or rainy - Elero's automatic sun protection system automatically adjusts the awnings. Sensors can be set for different light intensities, and delay times can easily be modified to suit individual requirements.



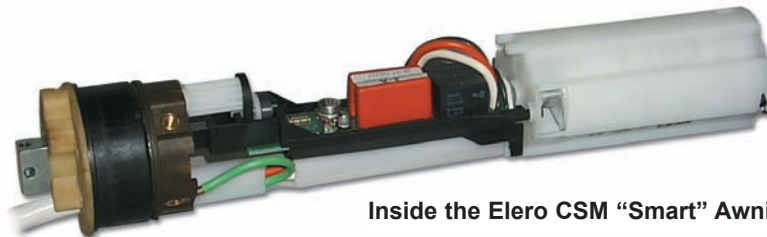
At the heart of the automatic sunshade system are Elero awning motors which can be easily integrated with building management systems in residential or commercial applications. The drives are robust, reliable and operate maintenance-free.

Motor coils are encapsulated and moisture/fire resistant for safety and long life. Elero motors also feature limit switches designed not to change, even under extreme conditions. An important safety feature is the electro-magnetic conical brake system designed to eliminate brake slippage.



Elero awning motors are also available with manual override. This feature ensures that the awning can be easily opened or closed in the event of a power outage or storm. Manual override accessories are available in several styles to work with all types of installations.

An exciting Elero innovation is the CSM “smart” awning motor with electronic travel control. It is designed to compensate for fabric changes - both shrinking and stretching - that are caused by exposure to the elements. This feature is especially important for exact closure in cassette type awnings. The built-in thermal protection guarantees maximum safety. The CSM awning motor uses intelligent electronics to provide practical solutions for today’s awning challenges.



Inside the Elero CSM “Smart” Awning Motor

Elero motors for awnings are available in a 2-inch diameter which can provide up to 350 inch pounds torque; and a 2-1/2-inch diameter which can provide up to 885 inch pounds torque to operate very large awnings. The compact design of the motors means the motors require very little space and can be installed quickly and easily. The Elero manufacturing facility in Germany is ISO 9001 certified, and Elero motors meet CSA and UL safety codes. Elero products are subjected to comprehensive inspection procedures and function testing at the factory. All Elero tubular motors for awnings come with a 5-year warranty.

Motor Sizing Chart

Number of Arms	Tube Size	Projection			
		5'	7'	10'	12'
2	70mm	9/1.8	9/2.5	9/3.3	9/4
3	70mm	9/2.5	9/3.3		
4	70mm	9/3.3	9/4		
2	78mm	9/2.5	9/2.5	9/4	9/4
3	78mm	9/3.3	9/3.3	11/6	11/6
4	78mm	9/4	9/4	11/8	11/8
5	78mm	11/6	11/6	11/10	11/10
6	78mm	11.6	11/8	11/10	11/10
2	85mm	9/2.5	9/2.5	9/4	9/4
3	85mm	9/3.3	9/4	9/4	11/6
4	85mm	9/4	11/6	11/6	11/8
5	85mm	11/6	11/6	11/8	11/10
6	85mm	11/6	11/8	11/10	



Quality Elero motors are manufactured in Germany and sold worldwide.







 ISO 9001

*This chart is a general guide only. The force required may vary depending on the type of retractable arms.

Elero Controls: Intelligent and Affordable



Elero motors offer a wide variety of control options to fit every awning need. A simple touch of a button is all that's needed to move even large, heavy systems. Choose from several remote control options or a simple switch control.

Confidence is assured: Expert technical assistance is available for all Elero motors and controls.

Switches

Elero offers several styles of switches for motorized awnings, including custom options.



Custom Rocker Switches



Modern Paddle Switch



Traditional Lever Switch



Mini Weather Station

The Sonneboy

This mini weather station reacts to sun, wind and temperature, offering automatic control of your awning.

Radio Remote Control

Control your awning from inside or outside the house with an easily programmable handsender.



Handsenders for Radio Receiver



Custom Controls

Consult Elero for a wide variety of custom control options, including group controllers, automatic timers, temperature sensors and infrared remote controls. Elero motor controls easily integrate with home automation and security systems, providing cutting edge technology for the intelligent home.

Your Elero Tubular Motor Supplier:



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