



Where Quality Counts

Introduction

Environmental control of working and living conditions are playing an increasingly important role in business as well as personal life. Numerous functions are being automated to increase efficiency, to improve comfort or simply to be able to master certain tasks that otherwise would be impossible to accomplish. Basic mechanical functions are becoming highly automated. For many years now, garage doors are being opened automatically, production processes are extensively automated and today building environments are fully controlled by computers. At the core of all these functions are, as a rule, electrical motors that carry out the actual functions for which timing, speed and duration are controlled by sophisticated electronic systems.

Elero is a key supplier of specialty motors that handle numerous functions designed to help facilitate and control the residential and business operating environments. The primary motor applications are rolling and lifting functions to operate shading systems, window covering systems, awnings, shutters, rolling doors, insect screens and various light industrial uses. Tubular motors are the primary operators for these applications.

The concept of the tubular motor is both amazingly simple and extremely reliable. The motors are encapsulated in a secure tubular metal housing. The entire motor unit is concealed in an operating tube that serves simultaneously as the support and the rotating drive shaft for any of these systems listed above, awnings, shades, shutters, etc. Since the motors are fully incorporated in the finished product there are no exposed parts or components. This ensures a clean look and reduces the risk of damage to the motor or interference with its operation.

Standard Elero motors are equipped with mechanical end-stops for the up and down movements that can conveniently be set, changed or adjusted. Once the stops are set, the system will automatically shut off every time they reach the desired position. Switching on and off of both systems can be done by a wide selection of controls. Elero offers a full line of its own controls ranging from simple switches to low voltage central or decentralized controllers, timers and sensors.

The following pages provide an overview of these systems, schematics for wiring within the overall electric circuits, and detailed wiring information for the hook-up of the individual components. If any questions arise, please contact our technical department at 1-800-752-8677.