

Elero 28140.0001

Elero AeroTec Wind and Sun Protection Control Unit User Manual

Model: 28140.0001

1. PRODUCT OVERVIEW

The Elero AeroTec is an advanced control unit designed for automated management of sun protection systems such as awnings and blinds. It integrates seamlessly with environmental sensors to react to changing weather conditions, including sunlight, wind, and rain, ensuring optimal protection and comfort. This unit can function as a standalone single control or as part of a larger group/centralized control system. Its battery-powered design allows for convenient programming even when the unit is detached, as the display remains active.



Figure 1: Front view of the Elero AeroTec control unit, showing the display and control buttons.

2. SETUP AND INSTALLATION

2.1 Mounting

The AeroTec control unit supports two primary mounting methods:

- **Flush-mounted:** For integration into a standard wall box (diameter 58 mm).
- **Surface-mounted:** Using an appropriate surface-mounted housing (not included).

Ensure proper installation by a qualified professional to comply with local electrical codes and safety standards.

2.2 Battery Installation

The unit requires one CR 2032 battery for operation and programming. The battery allows for programming even when the unit is removed from its mounting, as the display remains powered.

To install or replace the battery, carefully open the battery compartment, insert the CR 2032 battery with the correct polarity, and close the compartment securely.

3. OPERATING INSTRUCTIONS

The Elero AeroTec is factory pre-set with date and time (CET) for immediate use. It controls your sun protection based on connected sensors.

3.1 Automatic Control

The unit automatically adjusts your sun protection based on input from optional light, wind, and rain sensors. This ensures your awnings or blinds retract during strong winds or rain, and extend to provide shade during sunny conditions.

3.2 Manual Operation and Programming

The AeroTec features several control buttons for manual operation and programming. These buttons are located under a cover flap for protection.

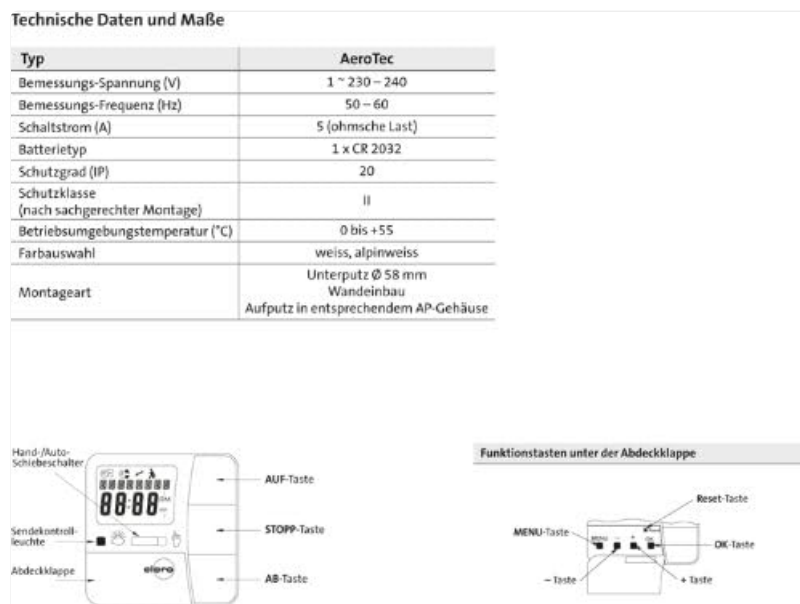


Figure 2: Technical data and button functions diagram. The diagram illustrates the display, hand/auto slider, send control light, cover flap, UP button, STOP button, DOWN button, MENU button, and RESET button.

- **UP Button:** Extends the sun protection.
- **STOP Button:** Halts the movement of the sun protection.
- **DOWN Button:** Retracts the sun protection.
- **MENU Button:** Accesses programming options.
- **RESET Button:** Resets the unit (typically located under the cover flap).
- **Hand/Auto Slider:** Toggles between manual and automatic control modes.

The unit also supports setting an intermediate position and a reversible position or fabric tensioning, providing flexible control over your sun protection.

4. MAINTENANCE

The Elero AeroTec control unit requires minimal maintenance. Keep the unit clean by wiping it with a soft, dry cloth. Avoid using abrasive cleaners or solvents.

Regularly check the battery status and replace the CR 2032 battery when the low battery indicator appears on the display to ensure continuous operation and programming capabilities.

5. TROUBLESHOOTING

If the Elero AeroTec unit is not functioning as expected, consider the following common issues:

- **No display or unresponsive buttons:** Check the CR 2032 battery. Replace if necessary.
- **Sun protection not moving automatically:** Verify that the unit is in automatic mode (check the Hand/Auto slider). Ensure all connected sensors (light, wind, rain) are clean, unobstructed, and functioning correctly.
- **Incorrect time/date:** Re-program the date and time settings via the MENU button.

For persistent issues, consult a qualified technician or contact Elero customer support.

6. SPECIFICATIONS

Feature	Specification
Manufacturer	Elero
Model Number	28140.0001
Rated Voltage	230-240 V
Rated Frequency	50-60 Hz
Switching Current	5 A (ohmic load)
Battery Type	1 x CR 2032
Protection Class (IP)	IP20
Operating Temperature	0 to +55 °C
Color	White / Alpine White
Mounting Type	Flush-mounted (Ø 58 mm) / Surface-mounted
Dimensions (Package)	18.6 x 11 x 6.5 cm
Weight (Package)	180 g
UPC	782298735009

7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Elero website or contact your local Elero distributor. Keep your purchase receipt as proof of purchase.

For further assistance, you may contact Elero customer service through their official channels. Please have your model number (28140.0001) ready when contacting support.

