

**GB** **Operating instructions**  
Please keep these instructions in a safe place!



CE 0682 ⓘ

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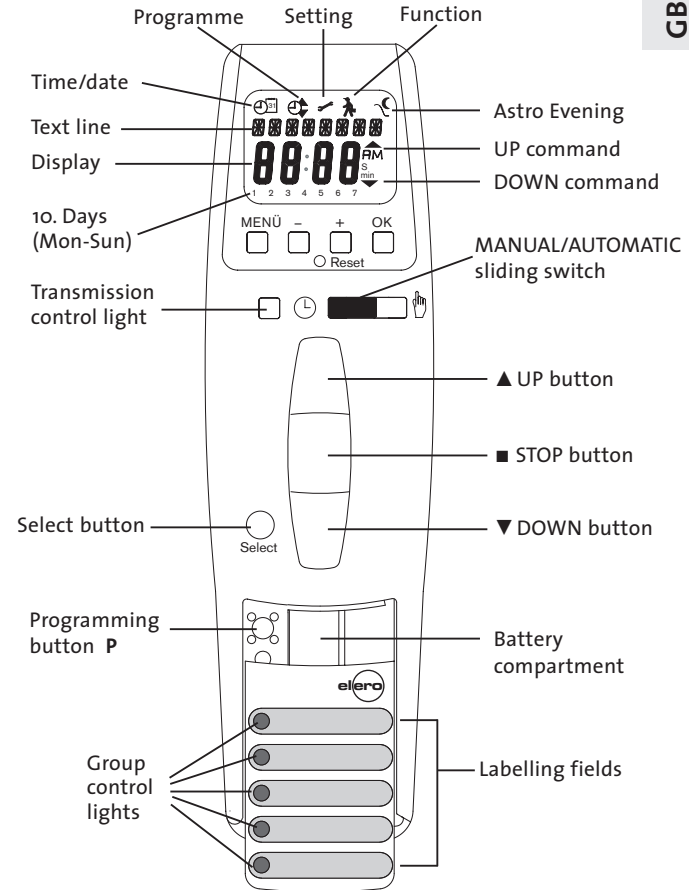
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Warning!

**Important safety instructions!**  
**Always observe the following instructions.**  
**Risk of injury by electric shock.**

- For use in dry rooms only.
- Use unmodified **elero** original parts only.
- Keep persons away from the systems guide track.
- Keep children away from controls.
- Always comply with national stipulations.
- Dispose of used batteries properly. Replace batteries with identical type (LR 03; AAA) only.
- If the system is controlled by one or more devices, the system guide track must be visible during operation.
- The equipment contains small parts that could be swallowed.



### General information

The TempoTel, which is supplied with pre-programmed factory date and time settings (CET), operates your drive in the morning at the programmed switching time and in the evening at the set astro time (sunset time).

The TempoTel can be operated manually at any time. The TempoTel allows up to 5 receivers to be operated individually or as a group.

This device is characterised by its user-friendly operation.

### Designated use

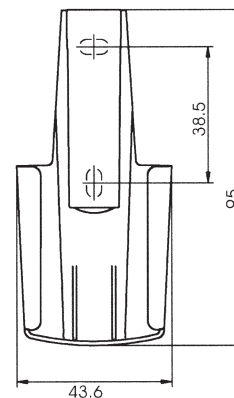
The TempoTel may be used to drive roller shutters and sun protection systems **only**.

- Please note that radio-controlled systems may not be used in areas with a high risk of interference (e.g. hospitals, airports).
- The remote control is solely for use with equipment and systems in which malfunctions in the hand-held transmitter or receiver would not pose any risk to persons, animals or property or which contain safety devices to eliminate such risks.
- The operator is not protected from interference from other telecommunications systems and terminal equipment (e.g. even from radio-controlled systems which are properly operated in the same frequency range).
- Radio receivers may only be used in combination with equipment and systems stipulated in manufacturers' specifications.

**Note:** Radio stations transmitting in the same frequency range may cause reception interference.

Please note that the operating range of the radio signal is limited by legislation as well as by the product design.

### Wall holder installation



- Before installing the wall holder, always ensure that the transmitter and receiver are in proper working order.
- Mount the holder onto the wall using the two raw plugs and screws provided.

**Initial operation**

Press any button on the timer to activate it. The +/- buttons can now be used to select the desired language and confirm your selection by pressing the **OK** button. The timer is now in automatic mode.

**Factory settings**

TIME/DATE: – Current CET and current date

PROGRAMME: – ASTRO EVENING → Switching times Mon-Fri (1-5)

▲ 7:00 a.m.

▼ ASTRO EVENING

Switching times Sat and Sun (6,7)

▲ 8:00 a.m.

▼ ASTRO EVENING

SETTING: – HOLIDAY OFF  
– END LIMIT  
– SUMMER/WINTER ON

FUNCTION: – ROLLER SHUTTER  
– EXPERT MODE OFF

**Note:** If the **RESET** button is pressed (using a ballpoint pen or similar object), the TempoTel will revert to the default factory settings.

**Exception:** Function, language and city menu levels..

**Transmission control light**

The transmission control light is illuminated when a radio signal is being transmitted.

If battery power is low, the transmission control light will flash during transmission.

The transmission power or radio operating range will decrease as battery power decreases. If the transmission control light does not light up when the buttons are pressed, the batteries must be replaced.

**Group control**

Group control refers to the operation of one or more receivers at the same time. The selected group is controlled via a control command.

The TempoTel has five radio channels which can be used for group control.


**Select button**


The select button may be used to select and programme up to 5 channels. The LED lights for the different channels light up to indicate when a given channel is being used.

An additional channel is reserved for central command control. This is allocated automatically. When the central command is active, all five LEDs light up.

**NB:** The label under the see-through cover can be used to make a note of the groups which have been programmed.

## MAN/AUTO sliding switch

In the “**MAN** 

In the “**AUTO** 

## Operating mode

The time is shown on the timer display.

## OK button

When the **OK** button is pressed, the currently displayed values are saved.

## +/- buttons

The following operations are possible using the **+** and **-** buttons:

- **Menu** → change value
- **Auto mode** → request information
  - **+** button → next automatic switching time ▲
  - **-** button → next automatic switching time ▼
  - **-** button and **OK** button → request astro time ▼

## MENU button

By pressing the **MENU** button, you can see an overview of the menu or the operating mode.

The values displayed are **not** saved.

## RESET button

When the **RESET** button is pressed (using a ballpoint pen or similar object), the TempoTel reverts to the default factory settings.

**Exception:** Function, language and city menu levels.

**Note:** If the TempoTel is in programming mode and no buttons are pressed within a period of 1 minute, the timer will automatically return to operating mode.

## Time/date

### TIME/DATE

This menu is used to set the time and the date.

## Programme menu

### PROGRAMME

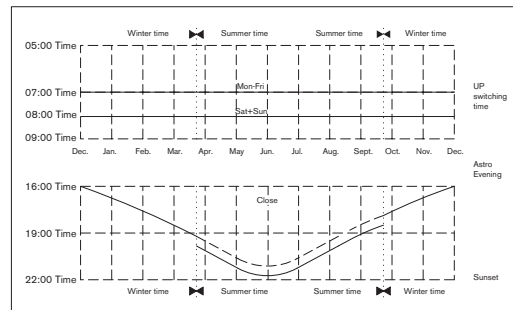
The PROGRAMME menu allows you to set various switching times:

- Astro evening (1-5 and 6,7)
- Separate (1, 2, 3, 4, 5, 6, 7)

## ASTRO EVENING

Your roller shutters/blinds are raised according to the set switching time.

Your roller shutters/blinds are lowered on the basis of the astro function.



## SEPARATE

Triggers the UP and DOWN control commands according to the pre-programmed switching times.

## BLOCKING TIME

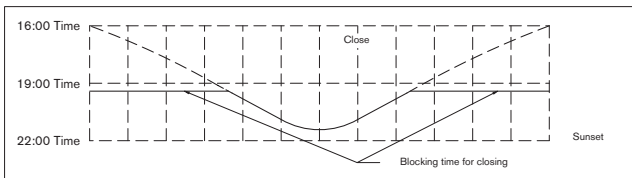
The ASTRO EVENING function prevents your roller shutters/blinds from closing too early.

### Example:

Astro time ▼: 17:00

Blocking time ▼: 19:30

The roller shutter/blind will **not** close before 19:30 hrs.



## SWITCHING TIME

Automatic UP and DOWN switching times for roller shutters and venetian blinds.

## SETTINGS

The following settings can be made via the SETTING menu:

- HOLIDAY
- INTERMEDIATE POSITION
- VENTILATION/REVERSE
- PROG (END LIMIT, INTERMEDIATE POSITION, VENTILATION/REVERSE)
- Select language (ENGLISH GB)
- ASTRO SHIFT ▼
- Select town/city (LONDON)
- LENGTH } Displayed in
- WIDTH } EXPERT MODE only
- TIME ZONE }
- SUMMER/WINTER (Automatic summer/winter time changeover)

To set a function, press the **OK** button until you reach the menu level required.

## HOLIDAY SETTING

The holiday setting simulates an occupied house while you are on holiday.

If the function is activated (ON), the roller shutter/blind switching times deviate from the programmed times (random variation: max. + 30 mins.).

## END LIMIT

The end limit is the point where the roller shutter/blind is in the upper or lower position.

## INTERMEDIATE POSITION

The intermediate position is any given position between the upper and lower limits of the roller shutter/blind and can be freely selected. This position can also be reached from the upper position after programming.

Press the **DOWN** button **twice** in rapid succession to move to the intermediate position.

**VENTILATION/REVERSE**

The ventilation/reverse position is any given position between the upper and lower limits of the roller shutter/blind and can be freely selected. This function allows you to raise your shutters from the lower end limit until the ventilation slits are open. In the case of venetian blinds, the slats will be turned.

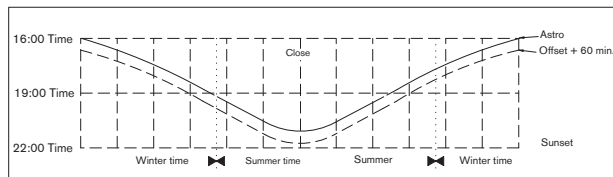
Press the **UP** button **twice** in rapid succession to move your shutters/blinds to the ventilation/reverse position.

**Language (ENGLISH GB)**

This menu level can be used to select your national language.

**ASTRO SHIFT**

With the astro shift setting, the astro time  $\rho$  and astro time  $\blacktriangledown$  can be shifted independently of one another (max. +/- 120 mins.).

**City (LONDON when the language is set to ENGLISH GB)**

It is important to select a city for the astro function. Select the city nearest to your location.

**LONGITUDE/LATITUDE/TIME ZONE (only when EXPERT MODE is ON)**

This function can be used to adapt the astro function to your location.

Your exact coordinates, for example, can be found with the aid of an atlas.

**SUMMER/WINTER**

SUMMER/WINTER describes the automatic clock adjustment for daylight saving changes. If the default setting is ON, the timer is adjusted automatically.

**FUNCTION MENU**

**This mode is intended for qualified staff only!**

The FUNCTION menu gives you the option of setting the following functions:

- ROLLER SHUTTER/BLIND (select either roller shutter or venetian blind)
- EXPERT MODE
- INITIAL OPERATION (for service purposes)

**EXPERT MODE**

If the town/city selection (EXPERT MODE OFF) is not precise enough for your requirements, a fine adjustment can be made by setting the degrees of longitude and latitude (EXPERT MODE ON).



### Programming a transmitter/channel

**Prerequisite:** The receiver must be installed.

1. With pre-installed electric receivers, the fuse must be disconnected and reconnected after a few seconds. The receiver will remain in programming mode for approx. 5 minutes.
2. Position yourself in front of the roller shutter/blind with the remote control in your hand.
3. Open the front cover of the device and press the transmitter programming button **P** briefly. The roller shutter/blind will start to move up and down. This will happen for approx. 2 minutes.
4. Select the desired channel using the **Select** button.
5. To define the keyboard layout, press the **UP** button on the transmitter as soon as the shutter/blind begins to move upwards (after approx. 1 second). The shutter/blind will come briefly to a halt. As soon as the shutter begins to move again, press the **DOWN** button on the handheld transmitter. The shutter/blind will stop.  
The transmitter/channel has been successfully programmed.

### Programming additional transmitters

To programme additional transmitters in one receiver, please proceed as follows:

1. Press the **UP**, **DOWN** and programming button **P** on a transmitter that has already been programmed in the receiver until the LED goes out.
2. To define the keyboard layout, press the **UP** button on the handheld transmitter as soon as the shutter/blind begins to move upwards (after approx. 1 second).  
The shutter/blind will come briefly to a halt.  
As soon as the shutter begins to move again, press the **DOWN** button on the handheld transmitter.  
The shutter/blind will stop.  
The transmitter/channel has been successfully programmed.

**Note:** If more than one receiver is connected to the same mains lead, all of these will be in programming mode simultaneously. The shutters/blinds will begin to move up and down "at random". The longer you take to carry out the programming, the larger the offset becomes.

Individual channels can now be assigned to the relevant receiver.

The brief **UP** and **DOWN** movements can be stopped by pressing the **STOP** button on one of the pre-programmed hand-held transmitters briefly.

Channel assignment /modification can now be carried out without you having to disconnect individual channels.

If the shutter/blind moves in the wrong direction, the transmitter must be deleted and re-programmed.

### Deleting individual transmitters

Disconnect the fuse – and reconnect after a few seconds.

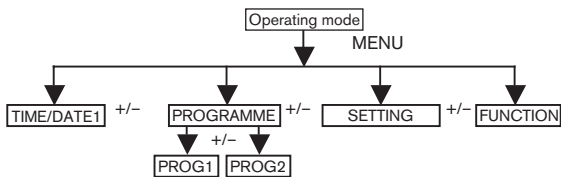
1. Open the front cover on the device and press the following buttons **simultaneously**:
  - Programming button **P**
  - **STOP** button
2. Keep these two buttons pressed until the LED goes out briefly.

### Deleting all transmitters

Disconnect the fuse – and reconnect after a few seconds.

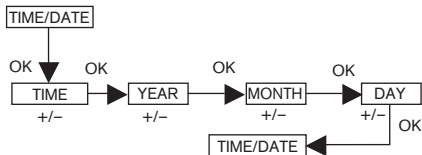
1. Open the front cover on the device and press the following buttons **simultaneously**:
  - Programming button **P**
  - **UP** button
  - **STOP** button
  - **DOWN** button
2. Keep these two buttons pressed until the LED briefly flashes briefly 3 times.

## Main menu (menu overview)



1. Press the **MENU** button until TIME/DATE appears.
2. To select further menus, press the +/- buttons.
3. Press the **MENU** button to switch to operating mode.

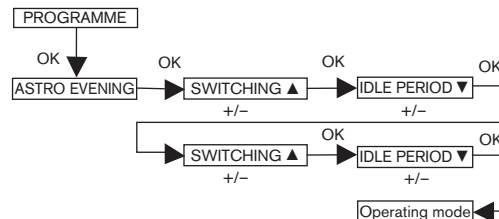
## TIME/DATE (time and date settings)



1. Press the **MENU** button until TIME/DATE appears.
2. By pressing **OK**, you get to the time menu level.
3. Now set the current time using the +/- buttons.
4. If the time is set correctly, confirm by pressing **OK**.
5. Repeat the above procedure for the settings YEAR, MONTH and DAY. TIME/DATE appears.
6. Press the **MENU** button to switch to operating mode.

## PROGRAMME

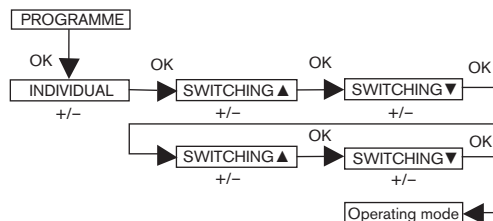
**ASTRO EVENING** (UP → switching time, DOWN → sunset)



1. Press the **MENU** button.
2. To select the PROGRAMME menu press the + button until PROGRAMME appears.
3. Press **OK** to confirm.
4. Press the + button again until ASTRO EVENING appears.
5. Press **OK** to confirm.
6. Now set the SWITCHING TIME ▲ for Monday - Friday (1-5) using the +/- buttons.
7. Press **OK** to confirm.
8. Now set the BLOCKING TIME ▼ for Monday - Friday (1-5) using the +/- buttons.
9. Press **OK** to confirm.
10. Now set the SWITCHING TIME ▲ vfor Saturday and Sunday (6,7) using the +/- buttons.
11. Press **OK** to confirm.
12. Now set the BLOCKING TIME ▼ for Saturday and Sunday (6,7) using the +/- buttons.
13. Press **OK** to confirm. PROGRAMME appears.
14. Press the **MENU** button to switch to operating mode.

## PROGRAMME

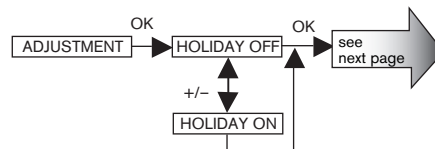
**ASTRO EVENING** (UP/DOWN command → switching times)



1. Press the **MENU** button.
2. To select the PROGRAMME menu press the + button until PROGRAMME appears.
3. Press **OK** to confirm.
4. Press the + button again until SEPARATE appears.
5. Press **OK** to confirm.
6. Now set the SWITCHING TIME ▲ and the SWITCHING TIME ▼ for Monday - Friday (1-5) and Saturday and Sunday (6,7) using the +/- buttons.
7. Press **OK** to confirm.
8. Press the **MENU** button to switch to operating mode.

## SETTING

**HOLIDAY** (Holiday OFF/ON)

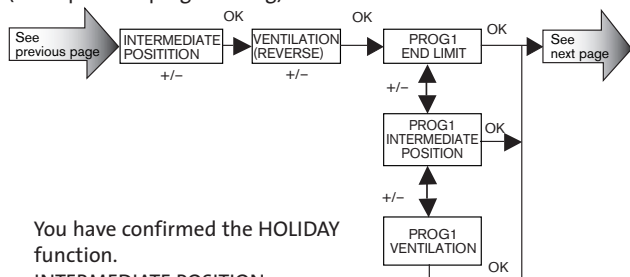


1. Press the **MENU** button..
2. To select the SETTING menu press the + button until SETTING appears.
3. Press **OK** to confirm. HOLIDAY ON/OFF appears.
4. The holiday function can be set to ON or OFF using the +/- buttons.
5. Confirm your selection by pressing **OK**.  
The HOLIDAY function is now set.

**For further programme settings in the SETTING menu, see below.**

SETTING

**INTERMEDIATE POSITION, VENTILATION/REVERSE, PROG END LIMIT**  
(Time/position programming)



You have confirmed the HOLIDAY function.  
INTERMEDIATE POSITION appears.

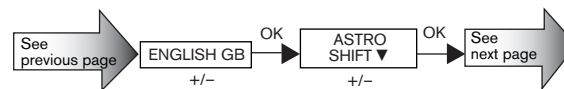
1. The switching time for the INTERMEDIATE POSITION can be set using the +/- buttons. The switching time can be set in a few seconds. Alternatively, you can move the shutter/blind from the upper end limit into the INTERMEDIATE POSITION using the **DOWN** button.
2. Press **OK** to confirm. VENTILATION/REVERSE appears.
3. The switching time for the VENTILATION/REVERSE position can be set using the +/- buttons. The switching time can be set in a few seconds. Alternatively, you can move the shutter/blind from the lower end limit into the VENTILATION/REVERSE position using the **UP** button. Press **OK** to confirm.
4. You can choose between PROG END LIMIT, PROG INTERMEDIATE POSITION and PROG VENTILATION/REVERSE using the +/- buttons.
5. Confirm your selection by pressing **OK**.

The PROG END LIMIT function is now set.

**For further programme settings in the SETTING menu, see below.**

SETTING

**ENGLISH GB/ ASTRO SHIFT ▼**  
(Language selection, astro shift)



You have confirmed the PROG END LIMIT function.  
ENGLISH GB appears.

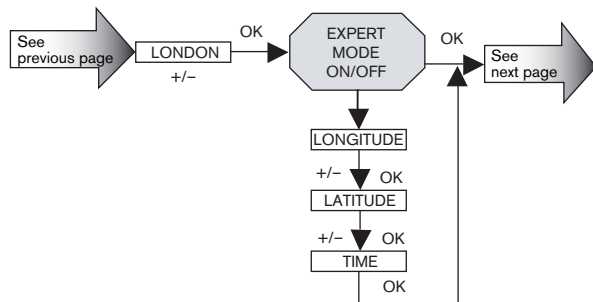
1. You can select the desired language using the +/- buttons.
2. Confirm your language selection by pressing **OK**. ASTRO SHIFT ▼ appears.
3. The desired astro shift ▼ can be set (max. +/- 120 mins.) using the +/- buttons.
4. Press **OK** to confirm.  
The ASTRO SHIFT ▼ function is now set.

**For further programme settings in the SETTING menu, see below.**

## SETTING

### LONDON, EXPERT MODE

(City selection, LONGITUDE, LATITUDE, TIME ZONE)



You have confirmed the function ASTRO SHIFT ▼.  
The city selected (LONDON) will appear.

1. You can set your nearest town using the +/- button.
2. Press **OK** to confirm.

**N.B.:** These dialogue fields are only displayed when the EXPERT MODE in the function menu is ON.

LONGITUDE will appear.  
(If you prefer to define your location more precisely, you can do so by setting the degrees longitude and latitude.)

3. The desired degrees LONGITUDE can be set using the +/- button.
4. Press **OK** to confirm. LATITUDE will appear.
5. The desired degrees LATITUDE can be set using the +/- button.

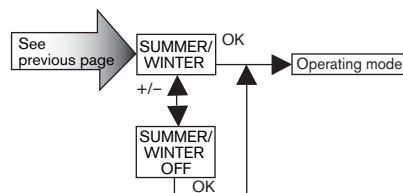
6. Press **OK** to confirm. TIME ZONE will appear.
7. You can set the TIME ZONE you are in using the +/- button.
8. Press **OK** to confirm.

The TIME ZONE function has now been set.

**Please read on for further programming options using the SETTING menu.**

## SETTING MENU

**SUMMER/WINTER** (Automatic clock adjustment for daylight saving changes)



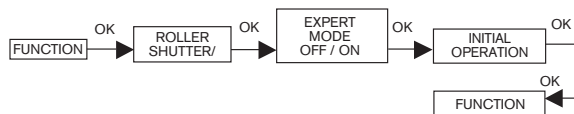
You have confirmed the TIME ZONE function.  
SUMMER/WINTER will appear.

1. You can switch the SUMMER/WINTER function on or off using the +/- button..
2. Confirm your selection by pressing **OK**.
3. Press the **MENU** button to switch to operating mode.

**FUNCTION MENU (The operating element must be removed.  
For experts only!)**

**ROLLER SHUTTER/VENETIAN BLIND, INITIAL OPERATION**

(Roller shutter/blind selection, date of initial operation)



1. Press the **MENU** button.
2. To select the FUNCTION menu press the + button until FUNCTION appears.
3. Press **OK** to confirm. ROLLER SHUTTER/BLIND appears.
4. You can choose between roller shutter/blind using the +/- button.
5. Press **OK** to confirm. EXPERT MODE OFF/ON appears.
6. The desired setting can be selected using the +/- button.
7. Confirm your selection by pressing **OK**. INITIAL OPERATION appears.
8. Press **OK** to confirm. FUNCTION appears.
9. Press the **MENU** button to switch to operating mode.

**Technical data**

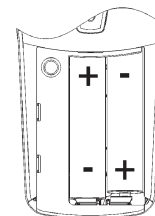
Nominal voltage	3 V DC
Battery type	2 x LR 03 (AAA)
System of protection	IP 20
Permissible ambient temperature	-10 to +55 °C
Radio frequency	868,3 MHz
Dimensions	L 161 x B 43 x H 23

The maximum radio range is up to 25 m indoors and up to 350 m outdoors.

**Changing the batteries**

1. Open the battery compartment.
2. Remove the batteries.
3. Insert the new batteries **properly**.

**Note:** The batteries must be replaced within one minute. When changing the batteries, ensure that no buttons are pressed.



**Cleaning**

Clean the device with a damp cloth only. Do not use a cleansing agent as this may damage the plastic.

## Troubleshooting

Problem	Cause	Remedy
Drive is not functioning. Transmission control light is illuminated.	<ol style="list-style-type: none"> <li>1. Receiver is outside the radio range.</li> <li>2. Transmitter has not been programmed into the receiver.</li> <li>3. Wrong group has been selected.</li> </ol>	<ol style="list-style-type: none"> <li>1. Reduce the distance to the receiver.</li> <li>2. Programme the transmitter.</li> <li>3. Select correct group.</li> </ol>
Transmission control light is not illuminated. BATTERY is flashing on the display.	Batteries are low.	Insert new batteries.
Astro function is not functioning properly.	<ol style="list-style-type: none"> <li>1. Date is incorrect.</li> <li>2. Wrong city or wrong latitude/longitude setting.</li> <li>3. Holiday function is switched on.</li> <li>4. Astro shift is set. ist eingestellt.</li> </ol>	<ol style="list-style-type: none"> <li>1. Set correct date.</li> <li>2. Set correct city or exact degrees latitude/longitude.</li> <li>3. Switch holiday function off.</li> <li>4. Adjust astro shift. anpassen.</li> </ol>
The TempoTel does not carry out the programmed control commands.	The sliding switch is set to manual  operation.	Change the sliding switch to automatic mode.
The TempoTel does not carry out the switching commands precisely.	Holiday function is switched on.	Switch holiday function off.

## Troubleshooting

Problem	Cause	Remedy
Roller shutter does not move to the end limit position.	No end limit position is set.	Set the end limit position via PROG END LIMIT SETTING.
The transmitter does not respond after battery replacement.	Power supply was interrupted for too long.	Press RESET button and check setting.

### General declaration of conformity:

The company elero GmbH hereby declares that the TempoTel device complies with the basic requirements and other relevant provisions of the European Directive 1999/5/EC.

