Safety advice
Assembly, connection and maintenance of the device may only be executed by personnel trained accordingly. Use for the installation of the rollotimer a deep switch box. Please pay attention that no cables are affecting the proper latching of the device. To prevent overvoltage and therewith a malfunction, plug or unplug the operation panel only in de-energized state! For this purpose disconnect the power supply of the electric circuit by switching off the corresponding fuse.

Connection diagram

Technical Data
Ref.-No. 941.DCZ3.00

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>230V / 50Hz</td>
</tr>
<tr>
<td>Switching voltage</td>
<td>250 V AC</td>
</tr>
<tr>
<td>Switching contact load</td>
<td>3 A (cos phi=1)</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>+5°C to +45°C</td>
</tr>
<tr>
<td>Running time</td>
<td>2.5 minutes (max.)</td>
</tr>
<tr>
<td>Changeover delay</td>
<td>min. 0.5 seconds</td>
</tr>
<tr>
<td>Accuracy</td>
<td>&lt; 5 seconds /day</td>
</tr>
<tr>
<td>Power reserve</td>
<td>approx. 4 hours</td>
</tr>
<tr>
<td>Protection class</td>
<td>IP 20</td>
</tr>
<tr>
<td>Safety class</td>
<td>II</td>
</tr>
<tr>
<td>Conformity</td>
<td>CE</td>
</tr>
</tbody>
</table>
Programming of ROLLOTIMER Comfort - without S/D sensor

1. Enter programming mode
Press ▲ (UP) and ▼ (DOWN) simultaneously for approx. 3 seconds.

2. Time of day programming
   Setting of the hour
   18:32
   Use ▲ (UP) to set the hour.
   Press ▼ (DOWN).
   Setting of the minutes
   18:32
   Use ▲ (UP) to set the minutes.
   Press ▼ (DOWN).
   Setting of the day*
   18:32 0
   Use ▲ (UP) to set the day.
   - Every day the same automatic running time: value 0
   - Every day individual automatic running time: set each day (1= MO, 2=TU, 3=WE, 4=TH, 5=FR, 6=SA, 7=SU)
   Press ▼ (DOWN).

3. Automatic opening day 1* programming
   Setting of the hour
   18:32 1
   Use ▲ (UP) to set the hour.
   Press ▼ (DOWN).
   Setting of the minutes
   18:32 1
   Use ▲ (UP) to set the minutes.
   Press ▼ (DOWN).

4. Automatic closing day 1* programming
   Setting of the hour
   18:32 1
   Use ▲ (UP) to set the hour.
   Press ▼ (DOWN).
   Setting of the minutes
   18:32 1
   Use ▲ (UP) to set the minutes.
   Press ▼ (DOWN).

5. Repeat point 3 and 4 to set the automatic running times for each 7 days of the week, if the individual running times were selected in point 3.*

6. Operation Mode setting
   Use ▲ (UP) to set one of the following modes:
   man = manual operation
   auto = set automatic opening and closing time
   var = a random generator changes the set automatic opening and closing time by +/- 15 minutes

7. Exit programming mode
Press ▼ (DOWN).

* In the weekly program (Day=0) the automatic closing and opening times for the blinds are the same for every day of the week.
In the daily program (Day 1...7) you can separately set the automatic closing and opening times for every weekday.

Note: setting of the values
The value which you want to set is selected by the DOWN button and is signaled by the flashing of the value. The value itself is set with the UP button which is raised with every push. The values are raised automatically by pressing permanently the button. If you have reached the desired value, confirm it by pressing DOWN which will switch automatically to the next value for programming.
The programming mode will be closed automatically, if there is no input for 30 seconds. All set values until then are set and saved. Due to the premature closing of the programming mode, the operation mode will be set to manual (man).

Operation of ROLLOTIMER

Push ▼ (DOWN) < 1 second Jog mode or STOP, if motor is running already
Push ▼ (DOWN) > 1 second DOWN command
Push ▼ (DOWN) > ▲ (UP) < 1 second Chance of operation mode simultaneously
Push ▼ (DOWN) > ▲ (UP) > 1 second and < 3 Activation of programming mode simultaneously
Push ▼ (DOWN) > ▲ (UP) > 6 seconds General reset (restore factory settings)

Jog mode
To adjust the angle of the venetian blinds push the ▲ (UP) or ▼ (DOWN) button (up to 1 second). The automatic mode (auto) remains unchanged.

Safety stop function
If the blind gets stopped, by pushing ▲ (UP) or ▼ (DOWN) while running in automatic operation mode, the operation mode will switch to manual mode.

Quick programming
If the ▲ (UP) or ▼ (DOWN) button is pressed longer than 6 seconds, the blind is running in the direction and the current time will be saved as the automatic ▲ (UP) or ▼ (DOWN) command time (memory function).

Operation modes
Manual mode  man
Automatic mode (daily program)  auto
Vacation mode: automatic+ random generator  var
You can enable the manual mode (man) by pushing the ▲ (UP) and ▼ (DOWN) buttons simultaneously.
Repeating this, it will be switched back to the original mode (auto or var).
The activation of the automatic mode (auto) will open and close the blinds according to programmed times.
The activation of the vacation mode (var) will open and close the blinds according to the programmed times with a randomly generated shift of +/- 15 minutes.
The blinds can be open and closed manually in any operation mode by pushing ▲ (UP) or ▼ (DOWN).
Programming of ROLLOTIMER Comfort - with S/D sensor

1. Enter programming mode
   - Press ▲ (UP) and ▼ (DOWN) simultaneously for approx. 3 seconds.

2. Sun function setting (only with S/D Sensor)
   - Setting of value ☼ 0 ... E
     - Use ▲ (UP) to set the value or E for calibration of the current lighting conditions.
     - Press ▼ (DOWN).

3. Dusk function setting (only with S/D Sensor)
   - Setting of value ☽ 0 ... E
     - Use ▲ (UP) to set the value or E for calibration of the current lighting conditions.
     - Press ▼ (DOWN).

Continue with point 2 programming of the Timer Comfort - without S/D-Sensor

Value | S/D Sensor | Sun sensor | Dusk sensor
--- | --- | --- | ---
0 | Deactivated / off | Deactivated / off | Low dusk
1 | Low brightness | | Medium dusk
2 | Medium brightness | | High dusk
3 | High brightness | | Calibration of the sensor
E | Calibration of the sensor | | Calibration of the sensor

Settings: Sun / Dusk sensor, (Art. No.: 607.S000.01)

This is only available if a S/D sensor is connected and if the automatic mode is activated. For the installation of the sensor please see the next page of the manual. The Timer will require approx. 10 seconds for the correct identification, after switching on.

Sun function
If a S/D sensor is connected, activated and the automatic mode is activated, a sun symbol will appear in the display. Exceeding the set brightness value is indicated by a blinking of this symbol. If the set brightness value is exceed by more than 10 minutes, the blind will be lowered until the sensor is in the shadow again. The Brightness is checked every 30 minutes. If the set value is underrun for 10 minutes the blind goes up again.

Dusk function
If a S/D sensor is connected, activated and the automatic mode is activated, a moon symbol will appear in the display. Exceeding the set dusk value is indicated by a blinking of the symbol. The function of the dusk value is switched on by the automatic set ▼ (DOWN) operation mode. If the value is exceeded by 10 minutes, the blinds will close completely. Please note that any light source near the sensor can interfere with its function.

Calibration of the S/D sensor
If you experience any problems with the preset brightness values, you can calibrate the S/D sensor individually to the desired brightness. When you have the desired brightness, select the value “E”. Then press ▼ (DOWN) to the current brightness as value 2 – medium brightness/dusk. Define and save.

Attachment of the Sun / Dusk sensors

Remove the upper part together with the two frames of the ROLLOTIMER.

Now have a look on the image below. Connect the sun / dusk sensor with the plug.

Please make sure, that the C-frame (extremely remote frame) has a cable through hole on the requested side.

Plug to connect the sun / dusk sensor