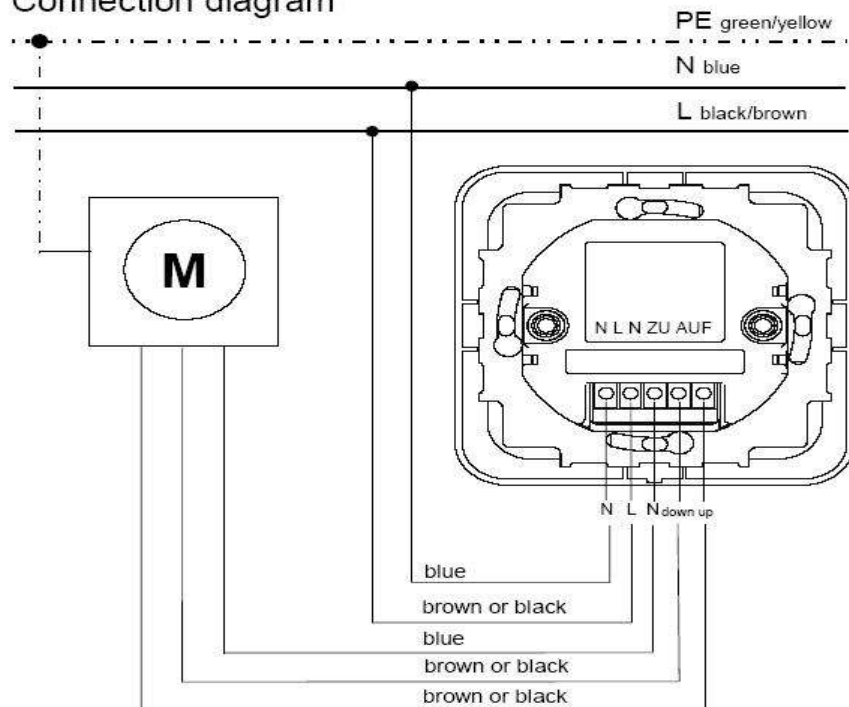


### Safety advice

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



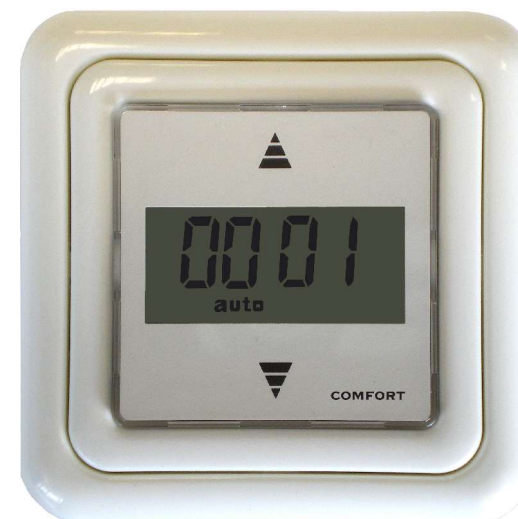
### Technical Data

Ref.-No. 941.DCZ3.00

Power supply	230V / 50Hz
Switching voltage	250 V AC
Switching contact load	3 A (cos phi=1)
Ambient temperature	+5°C to +45°C
Running time	2,5 minutes (max.)
Changeover delay	min. 0,5 seconds
Accuracy	< 5 seconds /day
Power reserve	approx. 4 hours
Protection class	IP 20
Safety class	II
Conformity	CE

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## Installation and operation manual ROLLOTIMER Comfort Ref.-No. 941.DCZ3.00



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:
		<b>man</b> = manual operation
		<b>auto</b> = set automatic opening and closing time
		<b>var</b> = 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) > 6 seconds	DOWN command + time saved for DOWN command
Push ▲ (UP) < 1 second	Jog mode or STOP, if motor is running already
Push ▲ (UP) > 1 second	UP command
Push ▲ (UP) > 6 seconds	UP command + time saved for DOWN command
Push ▼ (DOWN) + ▲ (UP) < 1 second simultaneously	Chance of operation mode
Push ▼ (DOWN) + ▲ (UP) > 1 second and < 3 seconds simultaneously	Activation of programming mode
Push ▼ (DOWN) + ▲ (UP) > 6 seconds simultaneously	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 lightning 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 lightning conditions.
		Press ▼ (DOWN).
Continue with point 2 programming of the Timer Comfor t- without S/D-Sensor		

#### Value S/D Sensor

Value	Sun sensor	Dusk sensor
0	Deactivated / off	Deactivated / off
1	Low brightness	Low dusk
2	Medium brightness	Medium dusk
3	High brightness	High dusk
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 exceeded 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 more than 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

