

# Solexa Shading Control Commissioning

Brief instruction for the installer



Weather Station



Operating Unit

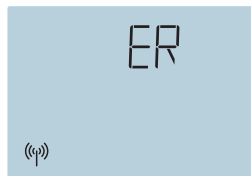
Installation, inspection, commissioning and troubleshooting of the control system must only be carried out by a competent electrician. Please also follow the safety instructions in the manual.

Proceed as follows when commissioning the Solexa Control System:

- ▶ **Installation of the weather station and the operating unit**  
Follow the chapters *Installation of weather station and connection of the drive mechanism* and *Installation of the operating unit* in the manual.
- ▶ **Commissioning and basic setting, sensor testing**  
Follow this brief instruction and proceed in the specified order. The commissioning is also described in the chapters *Commissioning, Basic settings* and *Sensor testing* in the manual.
- ▶ **Setting of automatic**  
Follow the chapter *Setting of automatic* in the manual.

## 0. Commissioning

After the system has been wired and the connections have been checked, switch on the power supply voltage of the weather station. Insert batteries in the operating unit. The display shows:



*There is still no radio connection between weather station and operating unit*

Press for longer than 3 seconds



Press for longer than 3 seconds



You are in basic settings now, the symbol „radio“ is blinking.

*If you do not press any key for 5 minutes, the basic settings are left automatically. Accomplished settings are not saved either.*

## 1. Radio connection to the weather station

To teach in a radio connection between weather station and operating unit, select the display:



Press once shortly



Pressing shortly confirms your selection

*Confirmation with (SET) of CON: skips teaching in LEA: prepares teaching in CLR: deletes an existing radio connection*

The radio symbol stops flashing and the radio waves are animated (they "run").



Press the orange programming key inside the weather station.

Pressing shortly establishes a radio connection

You will get to the next step automatically.

## 2. Rotational direction of the motor

*Rain and wind alarm are deactivated as long as you are in the basic setting! Please observe not to damage the shading by moisture or wind.*

Extend the awing or blind a little bit, so that it is shading. Then press (v).

If the shading retracts with (v), select the display:

If the shading extends further more with (v), select the display:



Pressing shortly confirms your selection



Pressing shortly confirms your selection

## 3. Operating direction

If the shading extends from top to bottom, select the display:

If the shading extends from bottom to top, select the display:



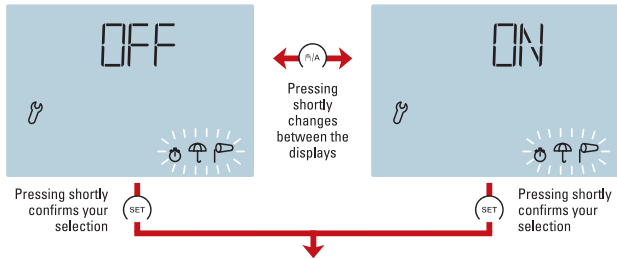
Pressing shortly confirms your selection



Pressing shortly confirms your selection

### 4. Operating command in case of wind/rain alarm

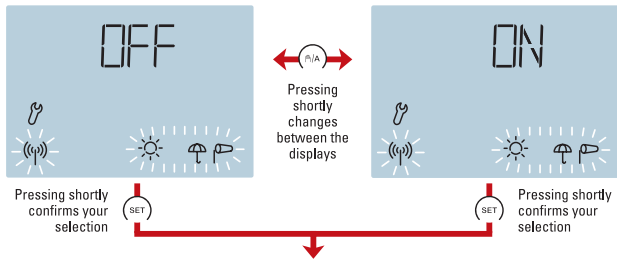
If Solexa is used as single control, select the display:



If Solexa is used as control centre for motor control units, the retract command shall be permanently activated. Select the display:

### 5. Sending of weather/automatic data

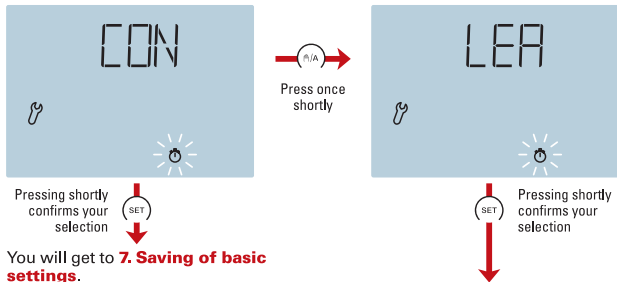
If Solexa is used as single control, select the display:



If Solexa is used with motor control units of the System XS, select the display:

### 6. Shading position

If you *do not* want to teach in a shading position, select the display:



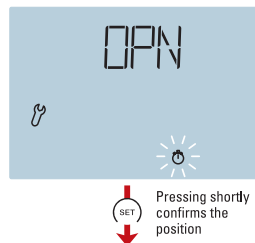
If you want to teach in a shading position, select the display:

Confirmation with (SET) of CON: skips teaching in. LEA: continues to the first step of teaching. CLR: deletes a shading position already taught in.

### 6.1. Retracted position

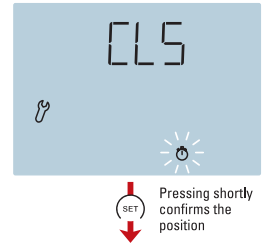
Rain and wind alarm are deactivated as long as you are in the basic setting! Please observe not to damage the shading by moisture or wind.

Completely retract the awning or blind so that there is no shading.



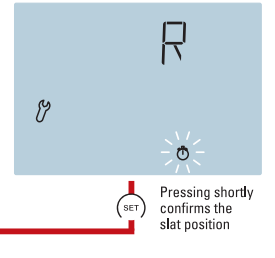
### 6.2. Setting of the desired position

Extend the shading as far as the automatic must extend it later in case of sunshine.

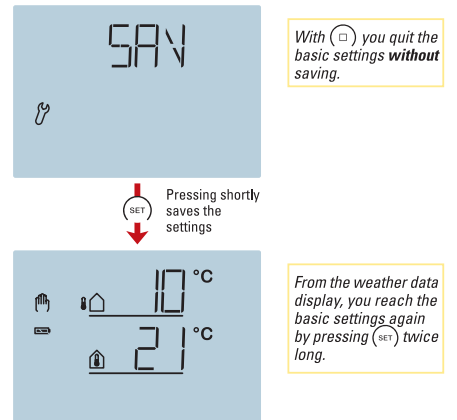


### 6.3. Slat angle

In case of blinds with slats, open the slats in the desired angle. In case of awnings or if slats shall not be opened, do not move the shading.



### 7. Saving of basic settings



### 8. Sensor testing

In case of malfunctions of the sensors, the display shows error messages instead of values. Please observe the chapter **Error messages** in the manual.

#### Temperature sensor testing

If reasonable values are displayed next to the symbols  $\uparrow$  (outdoor temperature) and  $\downarrow$  (indoor temperature), a correct function may be assumed.

#### Rain sensor testing

Humidify one or several of the golden sensor areas in the cover of the weather station. The  $\uparrow$  symbol (rain alarm) appears in the display. For this purpose, the rain alarm in the automatic settings must be activated (this is the presetting as delivered).

The rain message is maintained for 5 minutes after the drying of the sensor.

#### Sun sensor testing

By the short pressing of the (SET) key you get to the brightness and wind speed display. Pressing the key again switches back to the temperature display. The intensity of light is indicated in kilolux (kLux, upper value). The sun sensor is located beneath the frosted glass cover of the weather station. If brightness is not sufficient, you must illuminate the weather station from above with a powerful torch until a value is indicated.

#### Wind sensor testing

The wind speed is indicated in meters per second (m/s, lower value). The sensor pipe is on the front side at the bottom part of the weather station. If you blow in there, the value in the display changes.

The wind value is not correctly indicated during the first approx. 90 seconds after voltage has been connected (f. ex. during commissioning).

The control is now configured basically. You may carry on with the individual setting of the automatic functions.