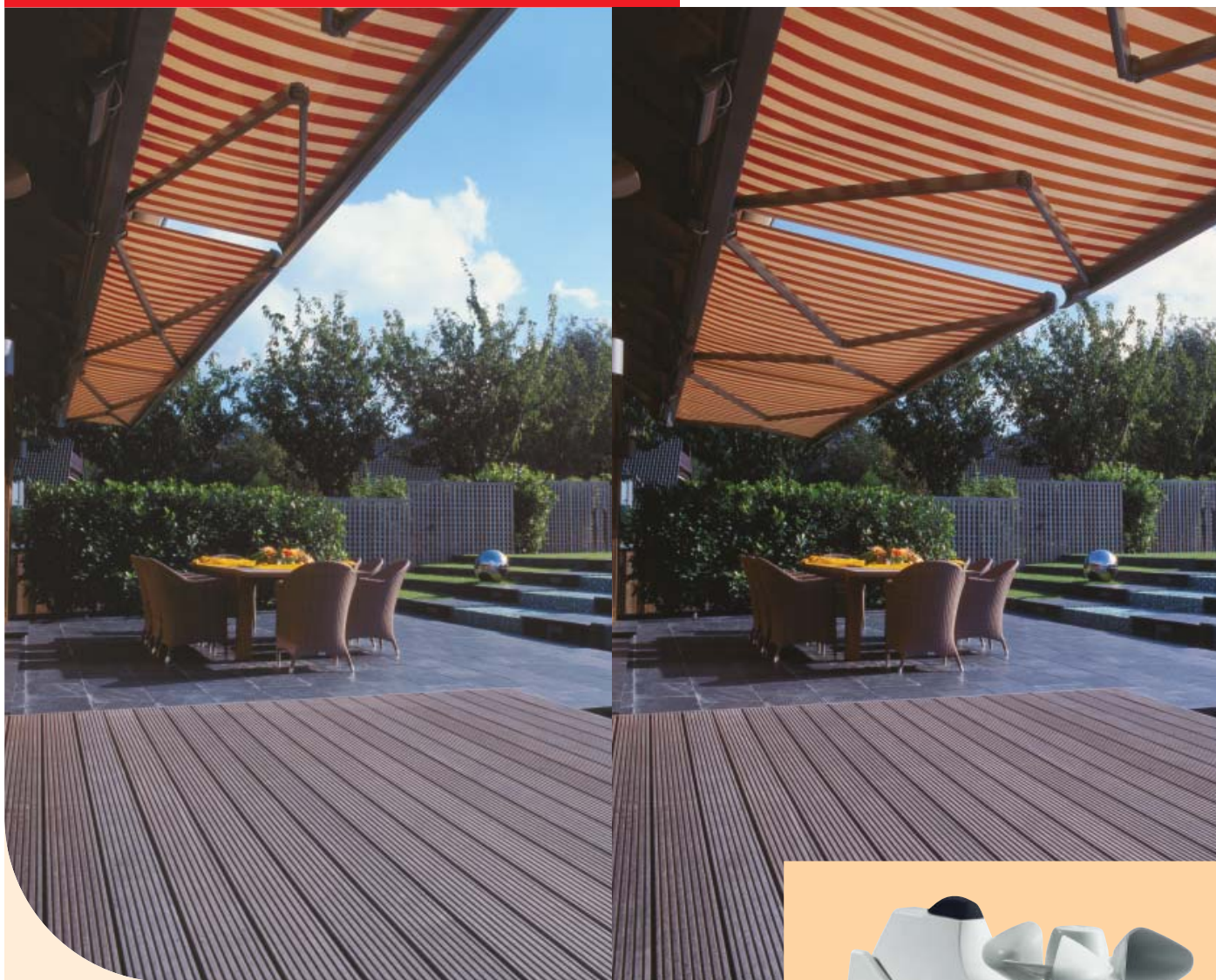


We reserve the right to make technical alterations. October 2011



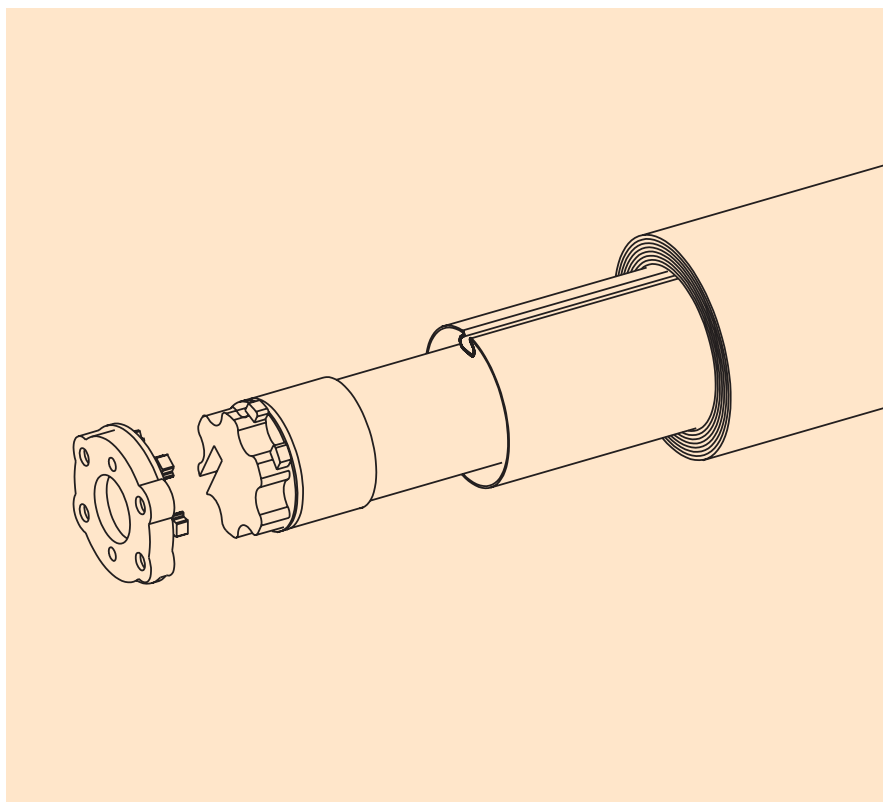
# Sun protection ... but motor controlled

Operate your awning at the touch of a button

[www.weinor.com](http://www.weinor.com)

Relax al Fresco | **weinor**

Accessoires  
Motors/  
Controls



Drawing: Electric motor in fabric roller

## Sun protection with electrical drive!

*It's standard with weinor! Most weinor products are equipped with an electrical drive in the shape of an electric motor which is concealed within the fabric roller of the awning. The awning responds at the touch of a button. A convenient and smart solution.*

*Even more conveniently, these sun awnings can be operated by radio frequency. weinor offers two product ranges for remote control system; the RTS System from Somfy which is described in the following pages and weinor's **WeiTronic** System (see separate chapter). The two systems are not compatible with each other.*

## Technical details

### Electric motor

- Various makes for different requirements
- Safety and reliability through advanced technology
- Concealed inside the fabric roller
- Precision manufactured, sturdy design
- Infinitely variable extension and retraction of the awning
- Largely maintenance free
- Factory tested prior to delivery
- Can be connected to a remote-controlled receiver (Somfy RTS System)
- Can be connected to sensors
- Each type of electric motor can be connected to a **WeiTronic** remote-controlled receiver and operated conveniently through a secure radio frequency of 868 MHz from a hand-held or wall-mounted transmitter (see the chapter **WeiTronic** for details)
- Easy to install and set up

### Electric RTS motor

- Various types of RTS motors for different requirements
- Safe and reliable
- Concealed inside the fabric roller
- Precision manufactured, robust design
- Infinitely variable extension and retraction of the awning
- Largely maintenance free
- Factory tested prior to delivery
- Remote-controlled receiver integrated in the motor
- Can be connected to the Somfy RTS sensor
- Can be operated only by a suitable hand-held or wall-mounted transmitter on 433 MHz frequency (see following pages for details)



## Automatic sun and wind sensors for motor-operated awnings (without RTS)



### Somfy Soliris Controls

automatically controls the motor-driven awnings. The sun and wind sensors have a control unit which processes the data from the sensors and from which the awning can also be operated manually.



*The controls can also be combined with a rain sensor...*



*... as well as with a thermostat for conservatory awnings.*

The dynamic time delay unit within the controls prevents frequent extension and retraction of the awning during cloudy weather, but still reacts immediately to rain and storm conditions.



### Group controls GS 3 + GS 300p

This enables 3 or 4 motor drive systems to be operated simultaneously via one operating point or control unit. The individual operation of one specific awning is not possible, however. The group control system is available in a ZA housing or as a printed circuit board. By connecting several of these group controls together up to 12 separate drive systems can be operated simultaneously.



### Centralis Uno IB motor control unit for individual control

Alongside the central control function performed by the automatic sun and wind sensors, this control unit enables individual awnings to be manually operated from a central control point. For each individual awning drive system one Centralis Uno IB control is required. The central controller and the motor control units are

linked via a low voltage control circuit to operate the awning drive mechanism commands. Centralis control units can be disconnected from the central controller so that only the individual local operation of each awning is possible.

Each Centralis control unit has the facility for a chosen comfort position to be set. Compatibility CD 8000 <-> Centralis Uno IB.

## Remote-controlled automatic sun and wind sensors for motor-operated awnings (with remote radio receiver)

### Somfy RTS technology

With the RTS technology, awnings can be operated easily and conveniently by radio frequency without the need for numerous wiring cable connections. The remote radio transmitter control unit with alternating frequency can operate one or several awnings. The frequency operating range can extend up to 20 metres (through two walls).



RTS controlled wind sensor Eolis Sensor RTS



RTS controlled wind and sun sensor Soliris Sensor RTS

### Universal Receiver RTS control unit

This consists of a control box (approx 11 x 11 cm) and a 1-channel hand-held Telis 1 RTS Pure transmitter. The Universal Receiver RTS relays the instructions given by the hand-held transmitter to raise or lower the awning as well as, if required, positioning the awning to one of two preferred positions.



Universal Receiver RTS

### Eolis Universal RTS radio transmitter wind sensor control unit set

This consists of a control box (Universal Receiver RTS), a 1-channel hand-held Telis 1 RTS Pure transmitter and an Eolis Sensor RTS wind sensor. The operating function is the same as the Universal Receiver RTS. Additionally, if the wind is too strong, the wind sensor relays a signal to the Universal Receiver RTS, which, in turn, relays a command to the RTS motor: retract awning!



Telis 1 RTS Pure

### Soliris Universal RTS radio transmitter wind and sun sensor control unit set

This consists of a control box (Universal Receiver RTS), a 2-channel hand-held Telis Soliris RTS Pure and a Soliris Sensor RTS wind and sun sensor. The operating function is the same as the Eolis Universal RTS. Additionally, if the sun intensity reaches a set level, the sun sensor relays a signal to the Universal Receiver RTS, which, in turn, relays a command to the RTS motor: extend the awning!



Telis Soliris RTS Pure

## RTS controls for motor-operated awnings (with RTS motor)

### The Somfy RTS motor

The receiver is already integrated into the RTS motor.

weinor uses the Altus RTS or Orea RTS types of motors. They are operated by the hand-held Telis 1 RTS Pure, Telis 4 RTS Pure and Telis Soliris RTS Pure transmitters and by the wall-mounted Centralis RTS transmitter. Shown below is a selection of possible combinations.



### Controls for one awning and/or for the simultaneous operation of a number of awnings

The hand-held Telis 1 RTS Pure transmitter is able, as a group controller, to operate a number of RTS motors simultaneously (up to 16). Alternatively or additionally, the wall-mounted Centralis RTS transmitter can also be used.



Telis 1 RTS Pure



Centralis RTS wall transmitter

### Individual control of up to five separate awnings

The hand-held Telis 4 RTS Pure transmitter fulfills the individual operating function within the range of the RTS motors. Up to five motors can be individually controlled via this transmitter. Several motors can be operated centrally per channel. Should twelve awning drive motors need to be operated, for example, then three motors per channel are operated simultaneously.



Telis 4 RTS Pure

## RTS controls plus RTS sensors for motor-operated awnings (with RTS motor)

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### **Controls for one awning and/or for the simultaneous operation of a number of awnings with wind sensor.**

The package of controls consists of the Eolis Sensor RTS wind sensor (as shown on page 4), which can operate up to 32 individual awning drive motors. The RTS motor is operated by the hand-held Telis 1 RTS Pure transmitter (as shown on page 5).

Alternatively or additionally, the wall-mounted Centralis RTS transmitter can be used.

### **Individual control of up to five separate awnings, with wind sensor**

The package of controls consists of the Eolis Sensor RTS wind sensor (as shown on page 4).

The RTS motor is operated by the hand-held Telis 4 RTS Pure transmitter (as shown on page 5).

### **Controls for one awning and/or for the simultaneous operation of a number of awnings with sun and wind sensor**

The package of controls consists of the Soliris Sensor RTS sun and wind sensor (as shown on page 4), which can operate up to 32 individual awning drive motors.

The RTS motor is operated by the hand-held Telis Soliris RTS Pure transmitter (as shown on page 4), by means of which the sun sensor function can be switched on or off manually. The Telis Soliris RTS Pure replaces the 1 channel operating Telis 1 RTS Pure in this case.

### **Individual control of up to five separate awnings, with sun- and wind sensor**

The package of controls consists of the Soliris Sensor RTS sun and wind sensor (as shown on page 4).

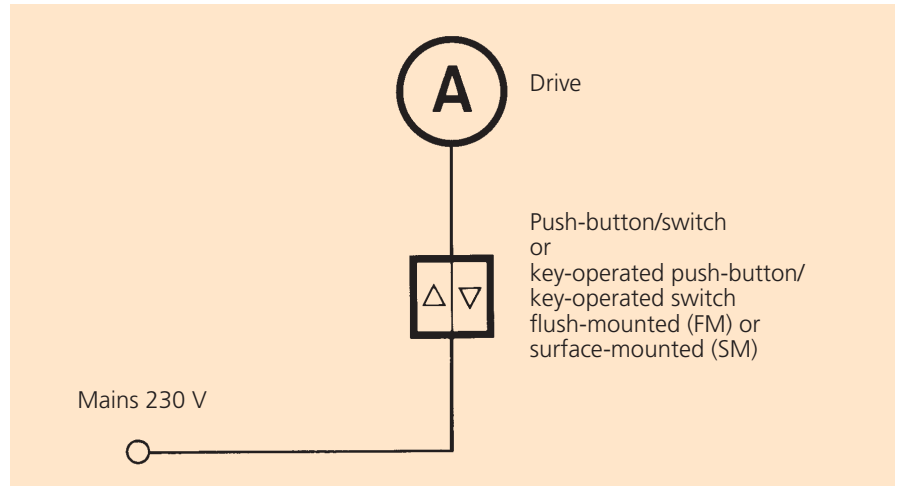
The RTS motor is operated by the hand-held Telis 4 RTS Pure transmitter (as shown on page 5).

Should you wish to be able to manually switch on and off the sun sensor function then an additional Telis Soliris RTS Pure is required.

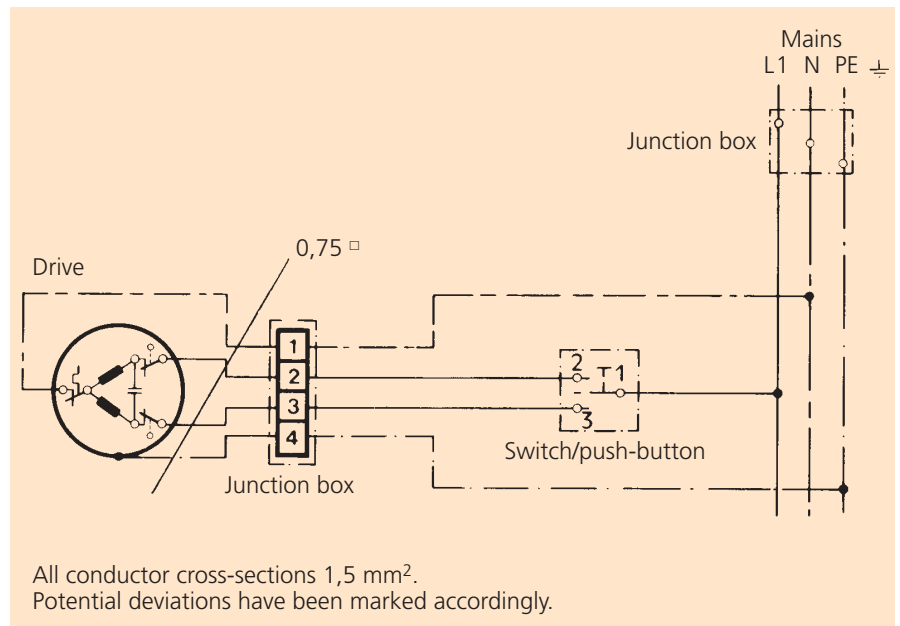
With the hand-held Telis 4 Soliris RTS Patio transmitter, the automatic sun sensor can also be switched on and off manually. This is mainly the required option when a lighting operation (e.g. Opal Lux) with RTS control is required at the same time.

## Motor-operated awning with switch

### Schematic diagram



### Connection diagram



We reserve the right to make technical alterations. December 2006

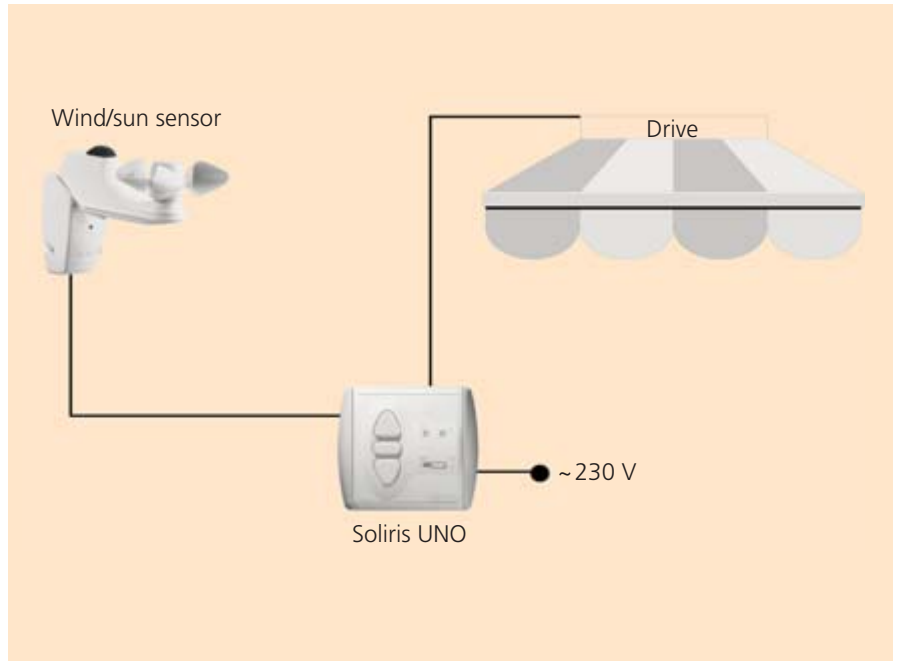
### Warning

#### Electrical installation

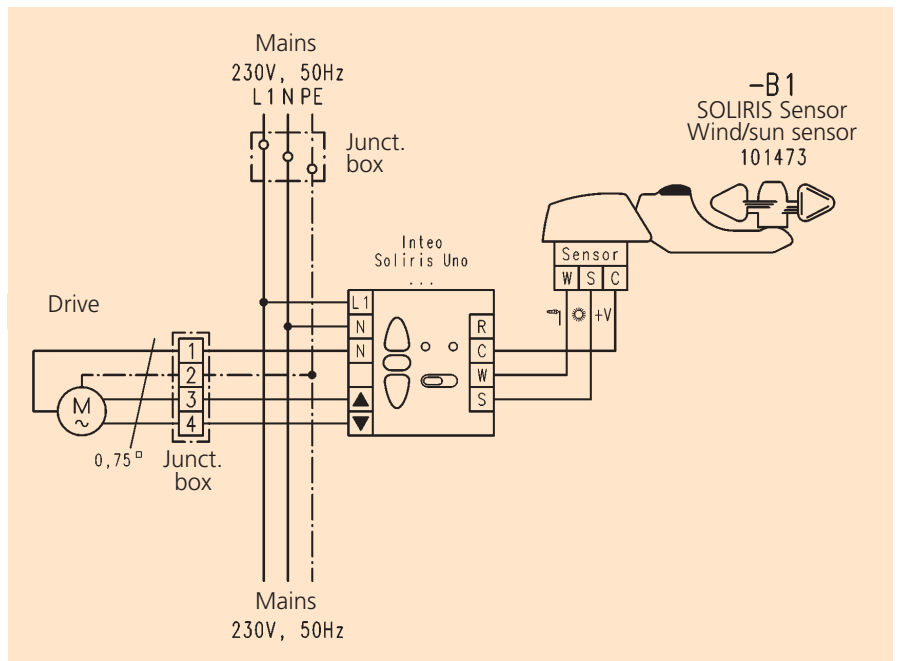
This work may only be performed by authorised specialists in keeping with the latest regulations of the VDE (German Association for Electrical, Electronic & Information Technologies), the local EVU, the government safety organisations and the UW.

## Automatic sun and wind sensors for motor-operated awnings (without RTS)

### Schematic diagram



### Connection diagram



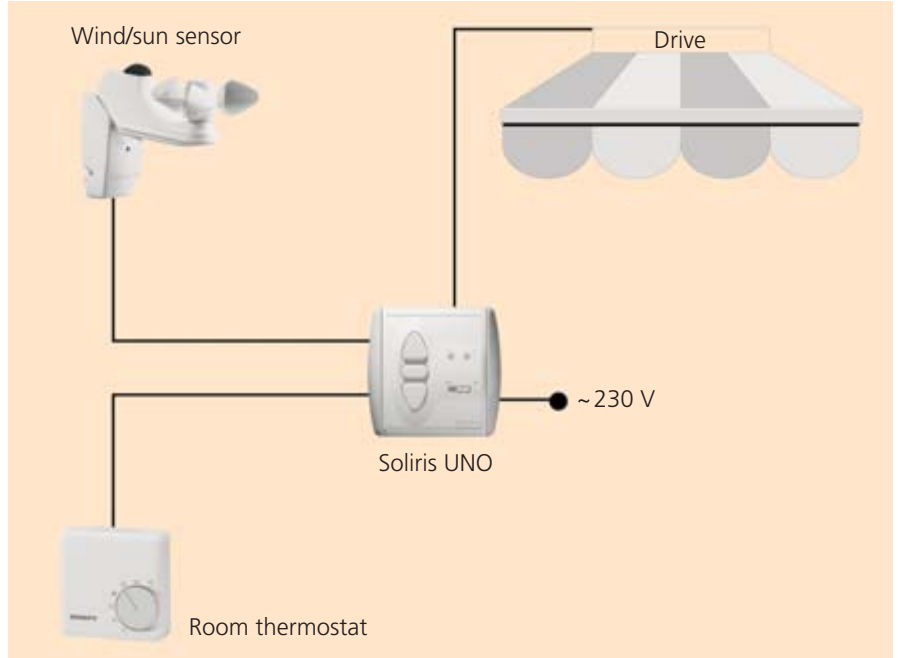
#### Wiring for drives

N	blue
Down	black or brown
Up	brown or black
PE	yellow/green

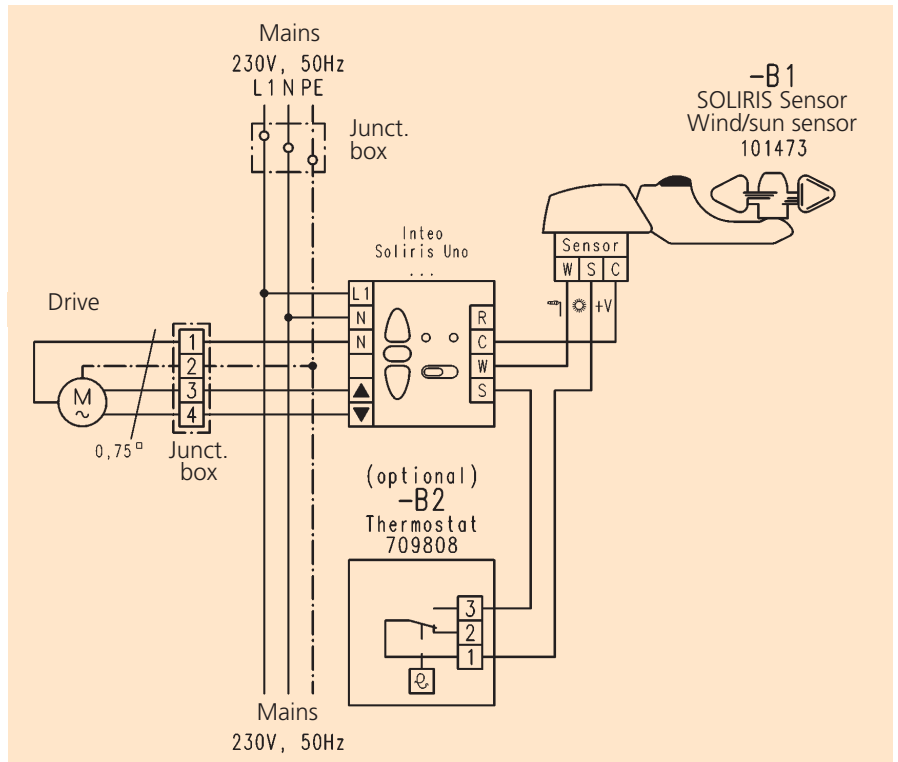


## Automatic sun and wind sensors plus room thermostat for motor-operated conservatory shades (without RTS)

### Schematic diagram with room thermostat



### Connection diagram

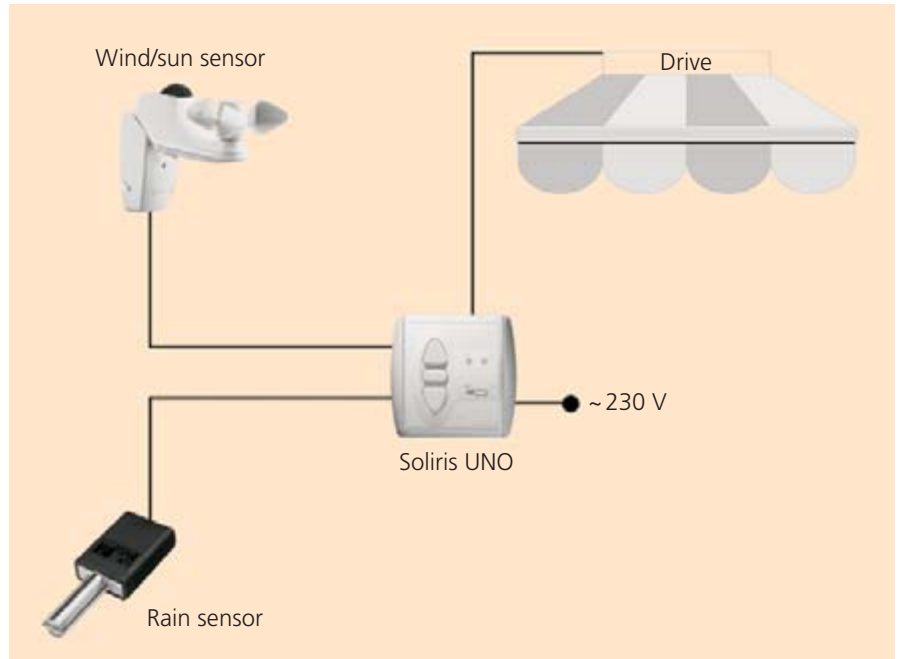


#### Wiring for drives

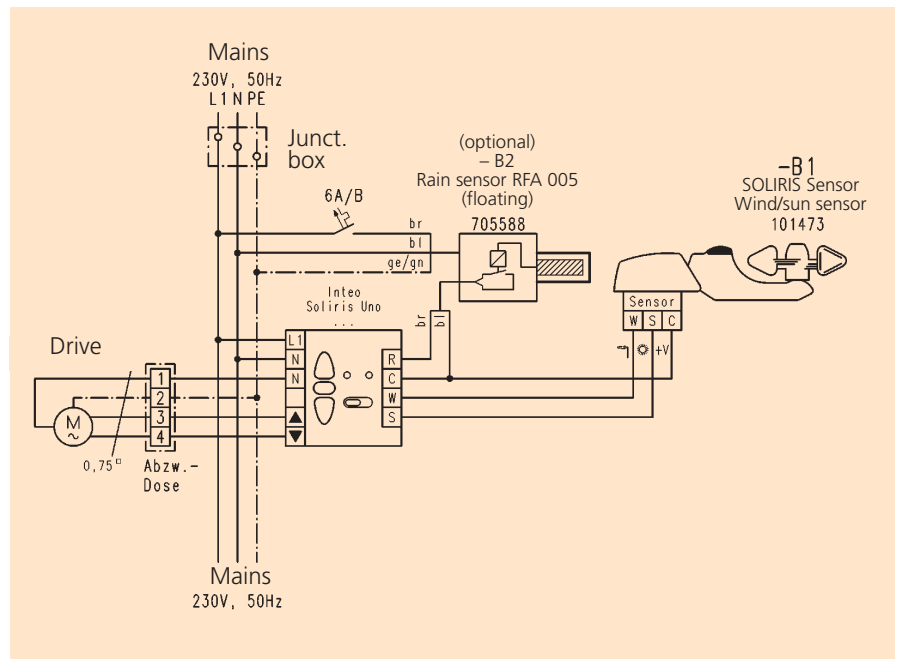
N	blue
Down	black or brown
Up	brown or black
PE	yellow/green

## Automatic sun, wind and rain sensors for motor-operated awnings (without RTS)

### Schematic diagram



### Connection diagram

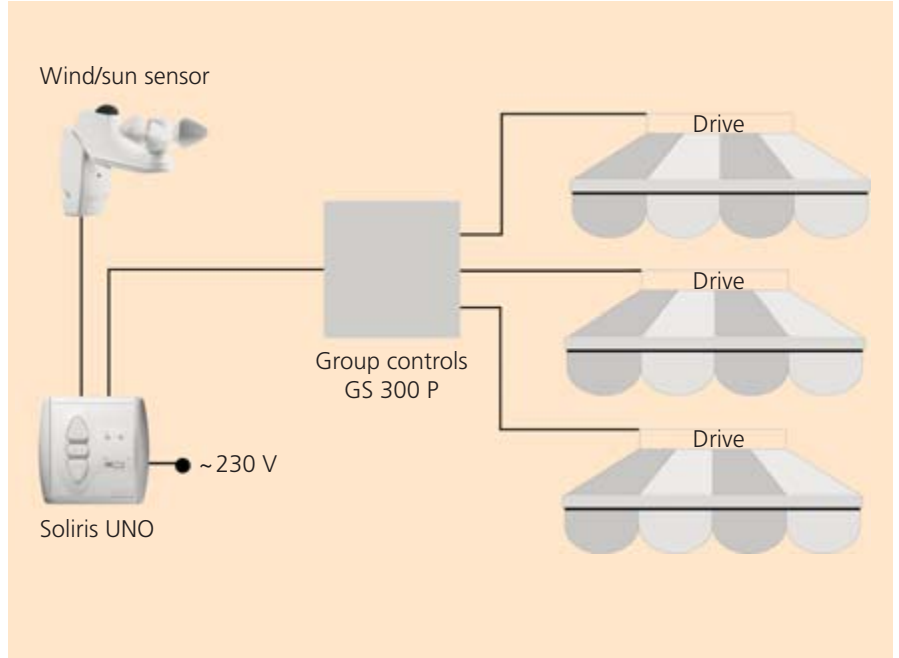


Wiring for drives	
N	blue
Down	black or brown
Up	brown or black
PE	yellow/green

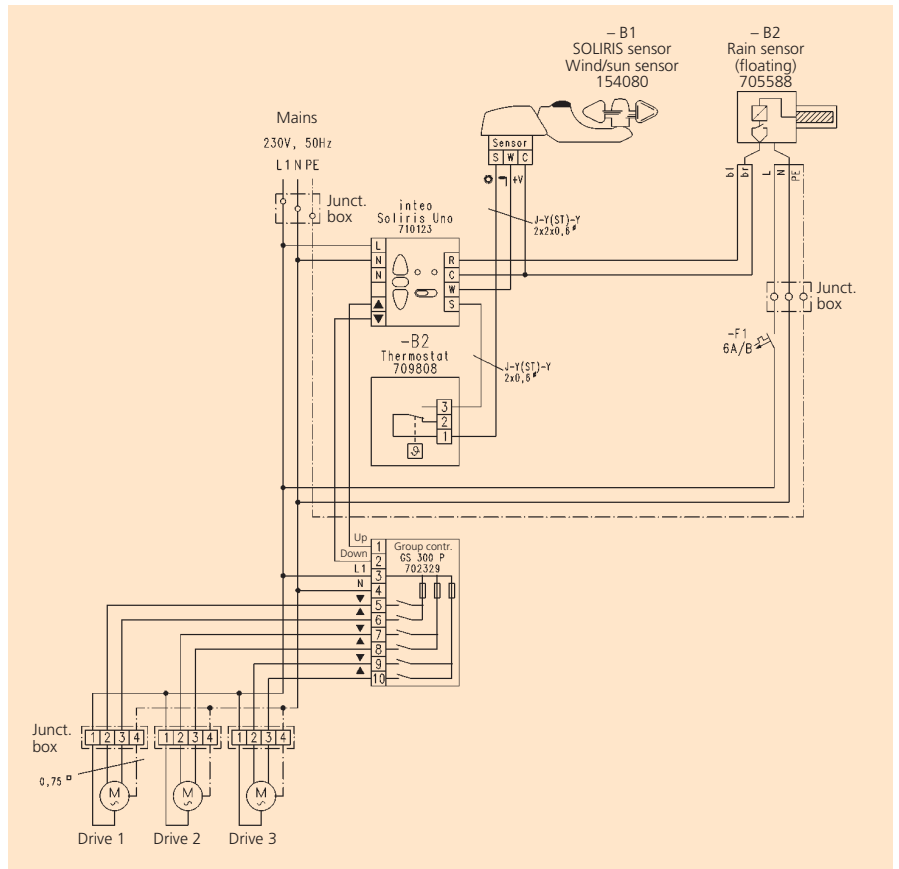
## Group controls GS 300 P for motor-operated awnings (without RTS)

### Schematic diagram

(e.g. in combination with the Soliris Uno automatic wind and sun sensor)



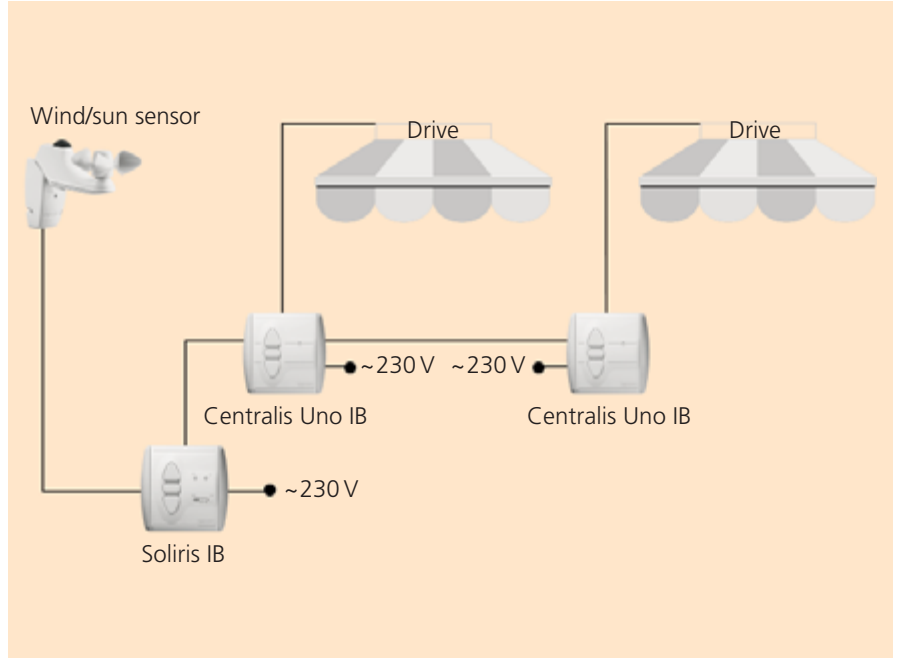
### Connection diagram



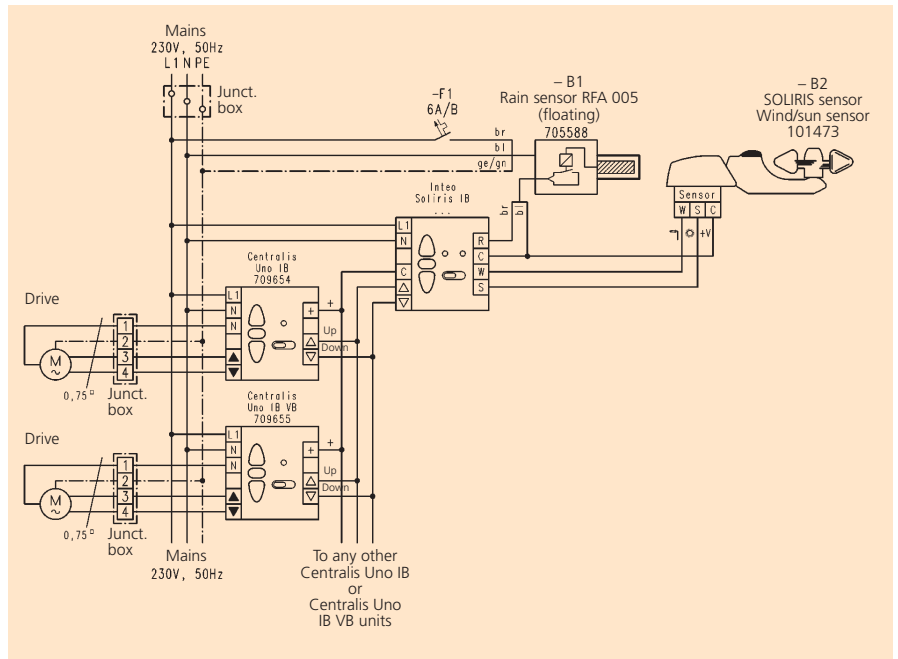
## Centralis Uno IB individual control unit for motor-operated awnings (without RTS)

### Schematic diagram

(e.g. in combination with the automatic wind and sun sensor)



### Connection diagram

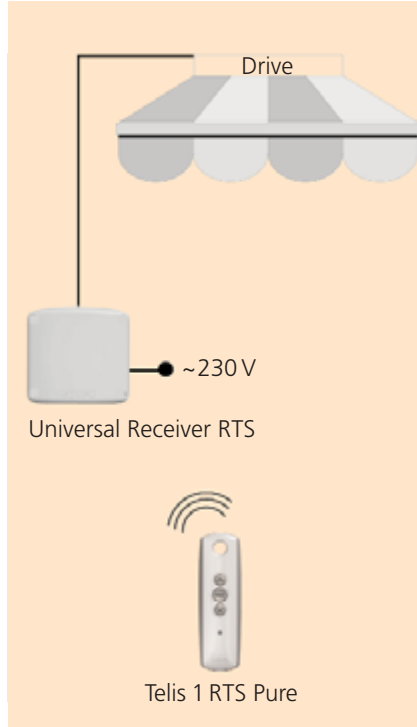


### Wiring for drives

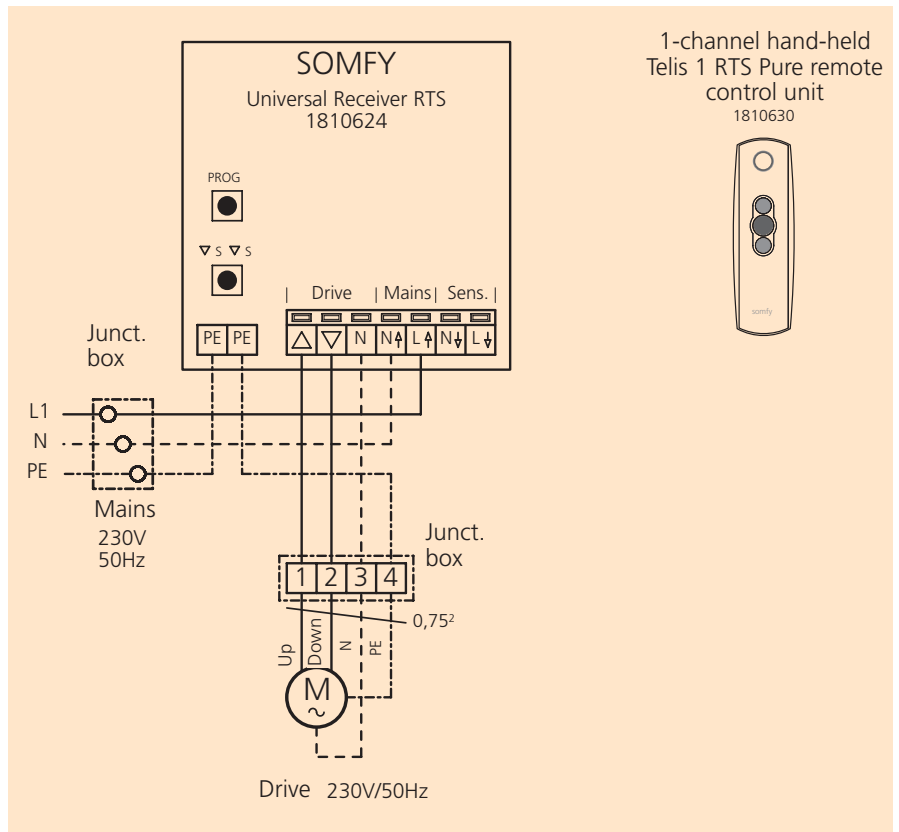
N	blue
Down	black or brown
Up	brown or black
PE	yellow/green

## Universal Receiver RTS control unit for motor-operated awnings

### Schematic diagram

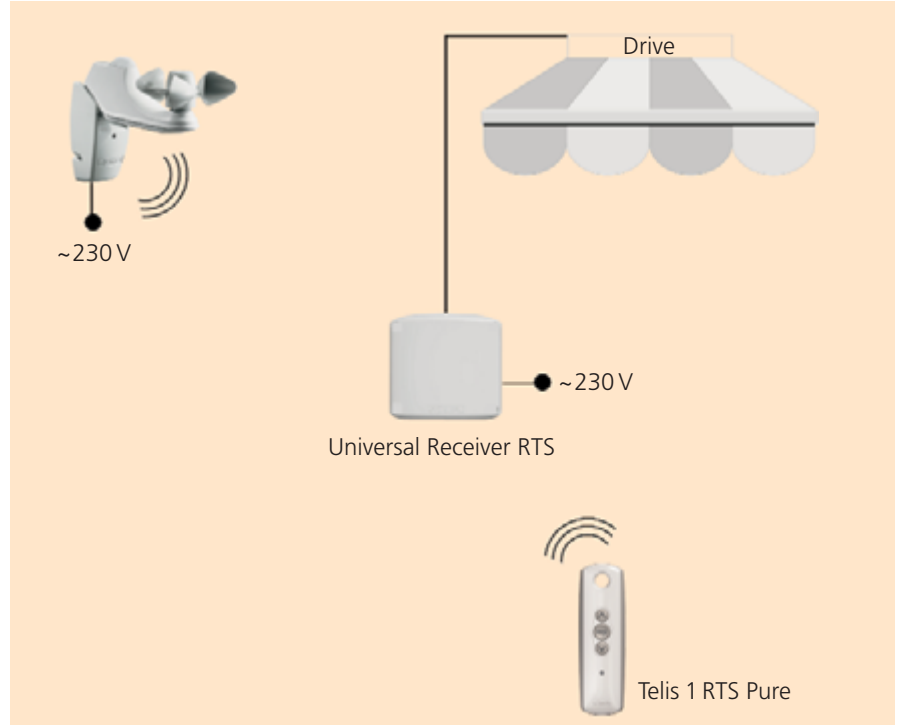


### Connection diagram

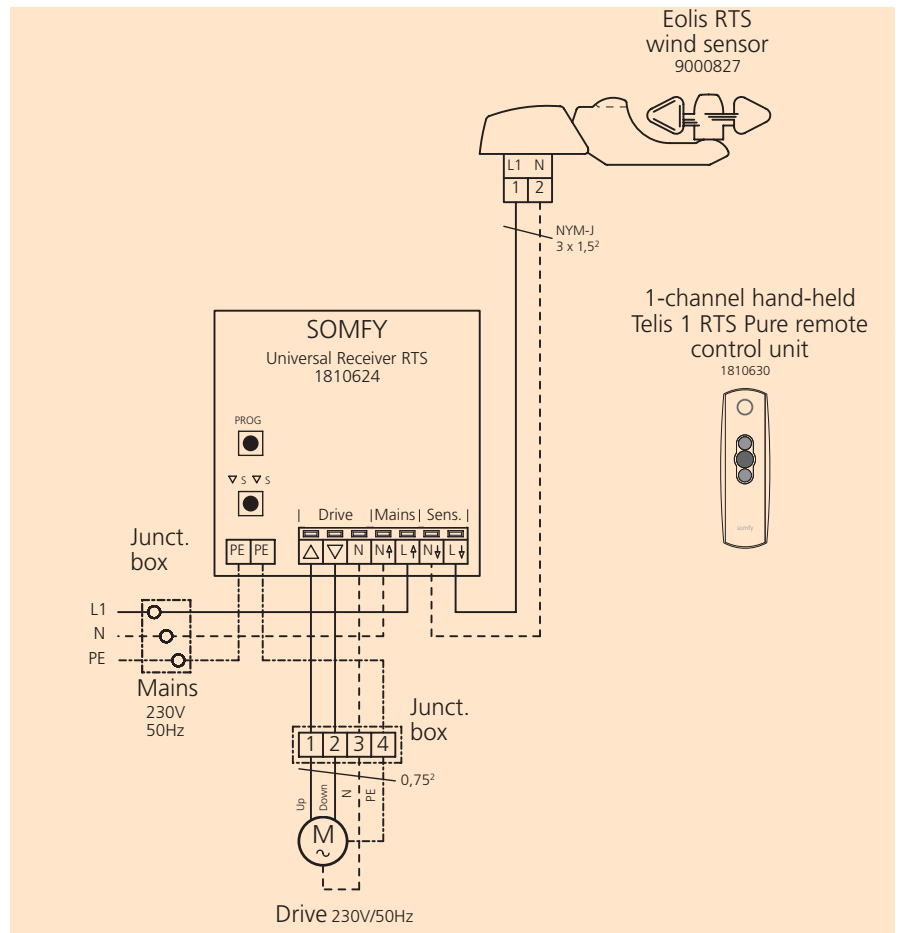


## Eolis Universal RTS radio transmitter wind sensor control unit set for motor-operated awnings

### Schematic diagram

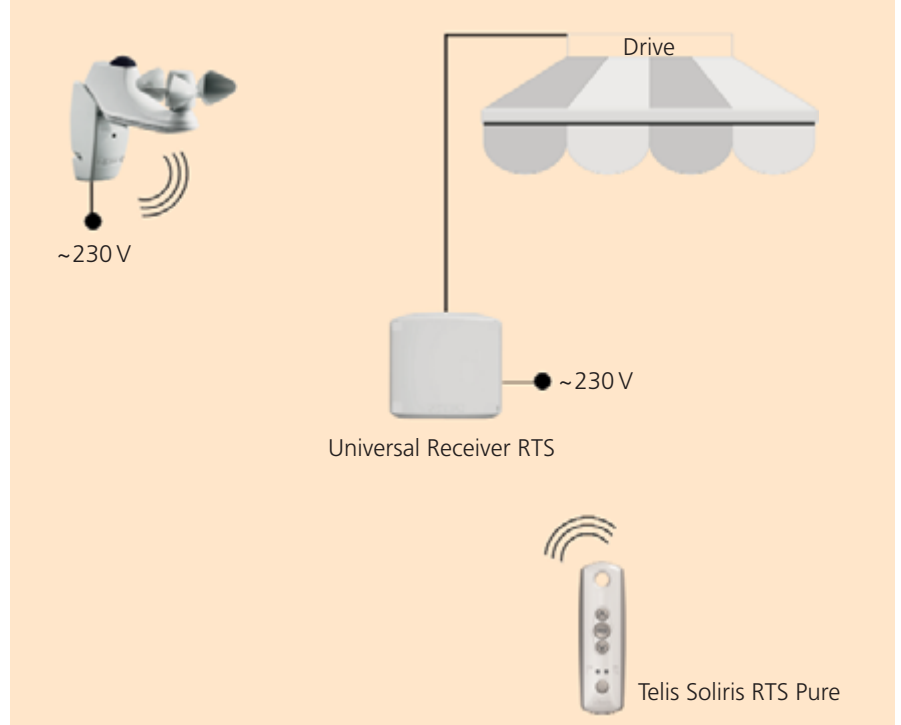


### Connection diagram



## Eolis Universal RTS radio transmitter wind sensor control unit set for motor-operated awnings

### Schematic diagram



### Connection diagram

