Pergola Tilt RTS Control Box Programming Quick Reference Guide: Semi-Auto

⚠️ **BEFORE YOU BEGIN: Confirm the Dip Switches are set to the correct position and all wiring is done.**
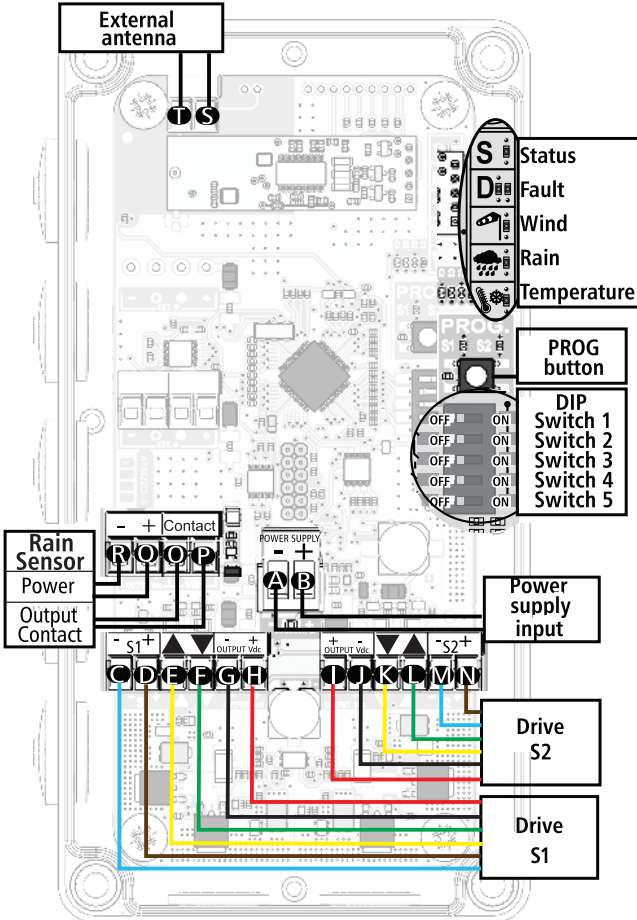
DESCRIPTION & CONNECTIONS

Switch 1
ON	Drive with encoder sensor
OFF	Drive without encoder sensor

Switch 2 (Requires Switch 1 ON)
ON	Activates synchronization S1 and S2
OFF	Deactivates synchronization S1 and S2

Switch 3
ON	5.5 A max. per output
OFF	3 A max. per output

Switch 4
ON	Activates the temperature sensor
OFF	Deactivates the temperature sensor

Switch 5
ON	Open 50% in the event of wind
OFF	Open 100% in the event of wind

Input Power Supply
A	-	24 Vdc power supply input (SELV)
B	+	

Drive Power
S1	Drive Power	S2
BLU − **C**	24 Vdc - 3A/5.5A Selected via Dip Switch 3	BLU − **M**
BRN + **D**		BRN + **N**

Encoder Signal
YEL ▲ **E**	Encoder Requires Dip Switch 1 ON	YEL ▼ **K**
GRN ▼ **F**		GRN ▲ **L**

Encoder Power
BLK − **G**		RED + **I**
RED + **H**		BLK − **J**

Rain Sensor
O	Contact	Dry contact input
P	Common	
Q	+	Power supply output: 24 VDC 300 mA
R	−	

External antenna
S	Signal	Conductor
T	GND	Shielding braid

Status
Fault
Wind
Rain
Temperature

PROG button

DIP
OFF	ON	Switch 1
OFF	ON	Switch 2
OFF	ON	Switch 3
OFF	ON	Switch 4
OFF	ON	Switch 5

External antenna

Power supply input

Drive S2

Drive S1
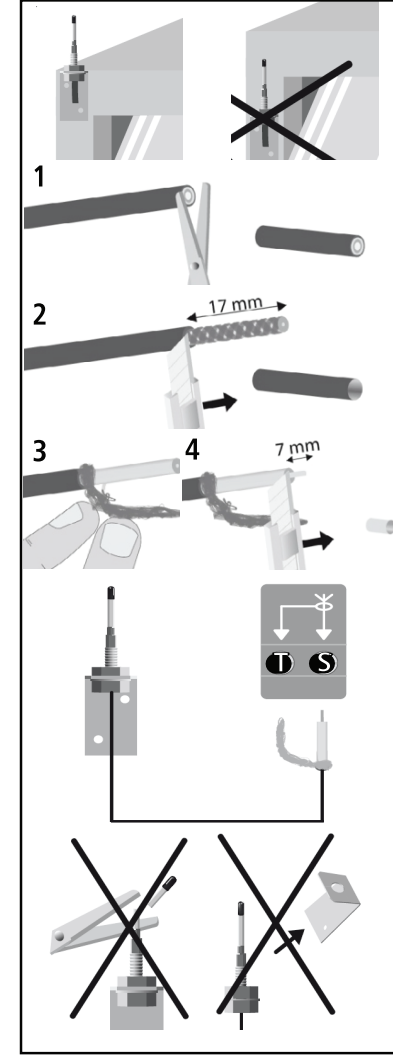
DESCRIPTIONS OF CIRCUIT BOARD INDICATOR LIGHTS

S — Status
The LED flashes every 4 seconds: Circuit board waiting.
The LED flashes rapidly: Command in progress.

D — Fault
The red LED light remains illuminated for 5 seconds: Current consumption threshold has been exceeded or circuit board has heated up too much during an output command.
The red LED flashes: drive synchronisation fault.
The orange LED remains illuminated for several seconds: Backing-up the memory.
The orange LED flashes rapidly: Movement of a drive not permitted by a sensor action.

Wind
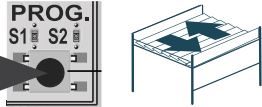| |
|---|
| The orange LED remains illuminated: Wind threshold has been exceeded. |
| The orange LED flashes rapidly: protection still in progress for 15 minutes ater the threshold last being exceeded. |

Rain
The orange LED remains illuminated: The rain threshold has been exceeded.
The orange LED flashes rapidly: protection still in progress for 15 minutes ater the threshold last being exceeded.

Temperature
The orange LED remains illuminated: the ice threshold has been exceeded. The Control is locked.
The orange LED flashes rapidly: protection still in progress for 15 minutes after the latest threshold is exceeded. Sensors locked out.

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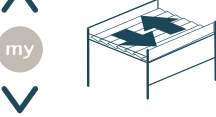
RTS
Radio Technology Somfy®

1. Initiate Programming

1.1 Press & hold the PROG button on the circuit board until both S1 and S2 LEDs flash. The motor jogs.

1.2 Briefly press the PROG button to select motor S1 or S2 to program. S1 or S2 LED will blink to confirm the motor to be programmed.

1.3 If on a multi-channel RTS control, select the desired channel.

1.4 Briefly press UP and DOWN simultaneously. The motor jogs.

2. Check the Direction of Operation

2.1 Press the UP button to confirm the pergola opens.

The direction of rotation is correct
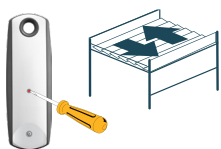
If the pergola closes, the direction of rotation is incorrect.

2.2 Press & hold the MY button until the motor jogs. The rotation direction has been modified.

3. Set the End Limits

3.1 Run the motor to the desired open position.

3.2 **Briefly press the MY and DOWN buttons**. The motor will run to the in (closed) limit.

Do not interrupt the movement: the control will automatically detect the in limit.

4. Snow/Ice Position and Validation

4.1 Use the **UP or DOWN** buttons to run the motor to the desired position for ice/snow. (This position must be set even if Dip Switch 4 is off)

4.2 **Press & hold the MY** button until the motor jogs to confirm the settings.
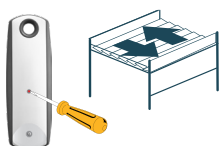
or

5. Pairing the Remote Control

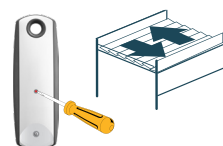Briefly press the **PROGRAMMING button** on the back of the transmitter. The motor jogs.

6. Programming Motor 2

Repeat steps from 1.2 through step 4.

NOTE: On a multi-channel RTS control, select the desired channel on step 1.3

Add or Delete a Control or Sensor

a) **Press & hold the PROG button** on the back of Control 1 until the pergola jogs.

CONTROL 1: Previously programmed control

b) **Briefly press the PROG button** on the back of Control 2 until the pergola jogs.

CONTROL 2: Second control to be added or deleted.

The procedure to delete a RTS control or sensor is the same.

Resetting the Control Box to Factory Mode

To completely clear the control's memory:

> 7 s.

Press the PROG button on the circuit board for more than 7 seconds until all the indicator lights on the circuit board light up.

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