Pergola Tilt RTS Control Box
Connection Quick Start Guide

STOP BEFORE YOU BEGIN: Power must be cut before wiring, setting the Dip Switches or making any wiring changes
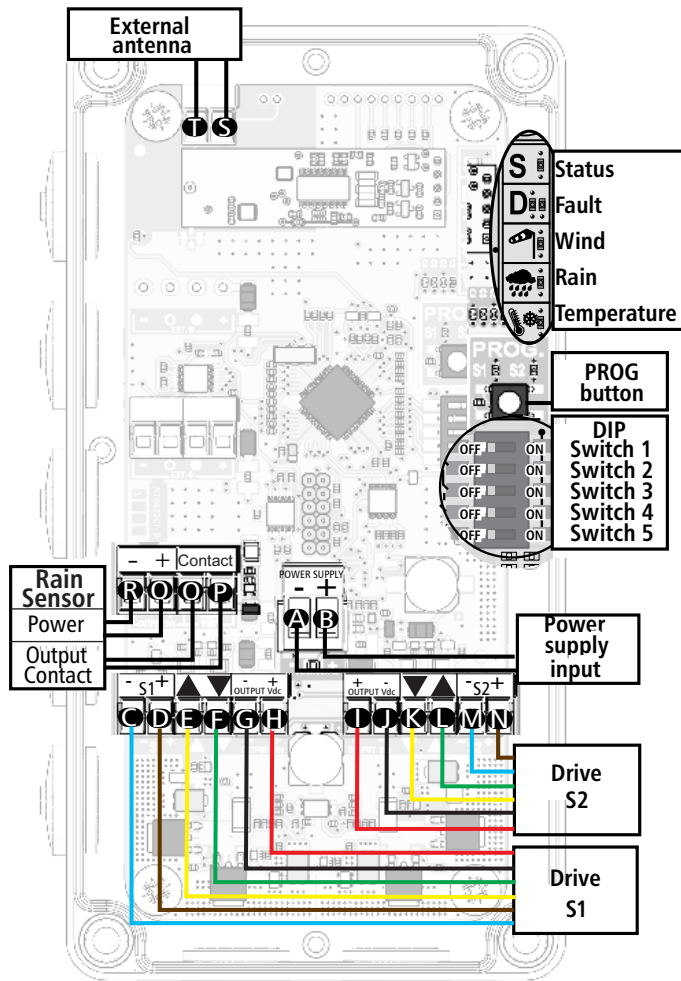
DESCRIPTION & CONNECTIONS

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	Close in the event of wind
OFF	Open in the event of wind

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

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

External antenna		
S	Signal	Conductor
T	GND	Shielding braid

S Status
D 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

Rain Sensor Power / Output Contact

Power supply input

Drive S2

Drive S1

1
2
3
4
17 mm
7 mm
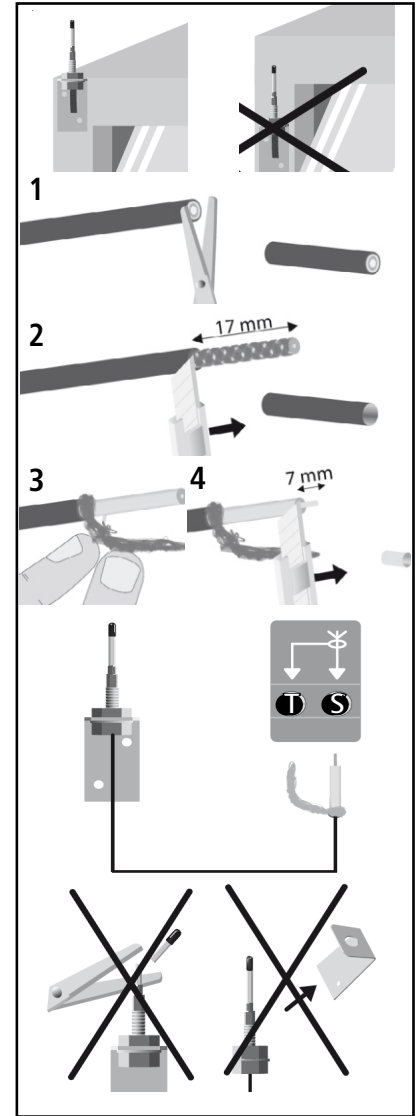
DESCRIPTIONS OF CIRCUIT BOARD INDICATOR LIGHTS

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.
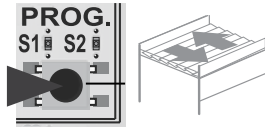
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Pergola Tilt RTS Control Box
Programming Quick Reference Guide

STOP

BEFORE YOU BEGIN: Confirm the Dip Switches are set to the correct position and all wiring is done.
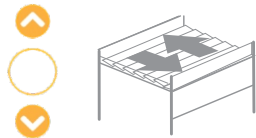
1. INITIATE PROGRAMMING

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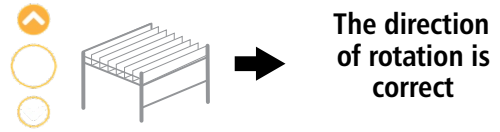
1.3 If on a multi-channel RTS control, select the desired channel.

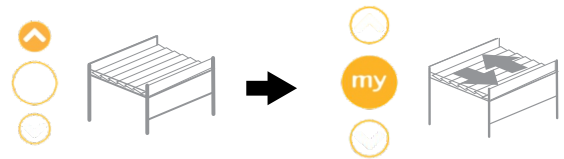1.4 Press briefly UP and DOWN simultaneously. The motor jogs.

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 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 Press briefly the MY and DOWN. The motor will run to the in (closed) limit.

Do not interrupt the movement: the control will automatically detect the in limit.
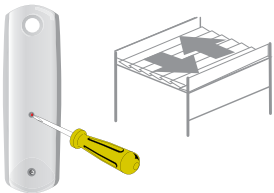
4. SNOW/ICE POSITION AND VALIDATION

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
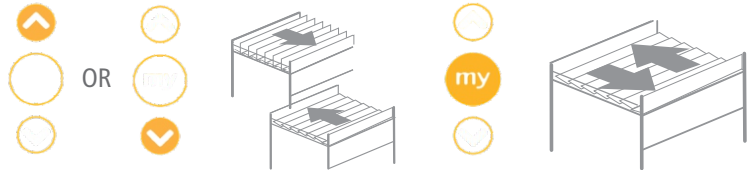
5. PAIRING THE REMOTE CONTROL

Briefly press the PROGRAMMING button on the back of the transmitter. The motor jogs.
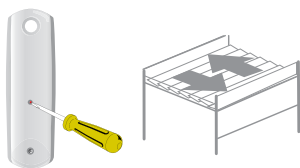
6. PROGRAMMING MOTOR 2

Repeat steps from 1.2 through step 4.

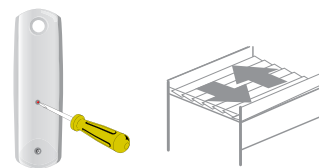NOTE: On a multi-channel RTS control, select the desired channel on step 1.3

ADD OR DELETE A CONTROL OR SENSOR

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

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

CONTROL 1: Previously programmed control

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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