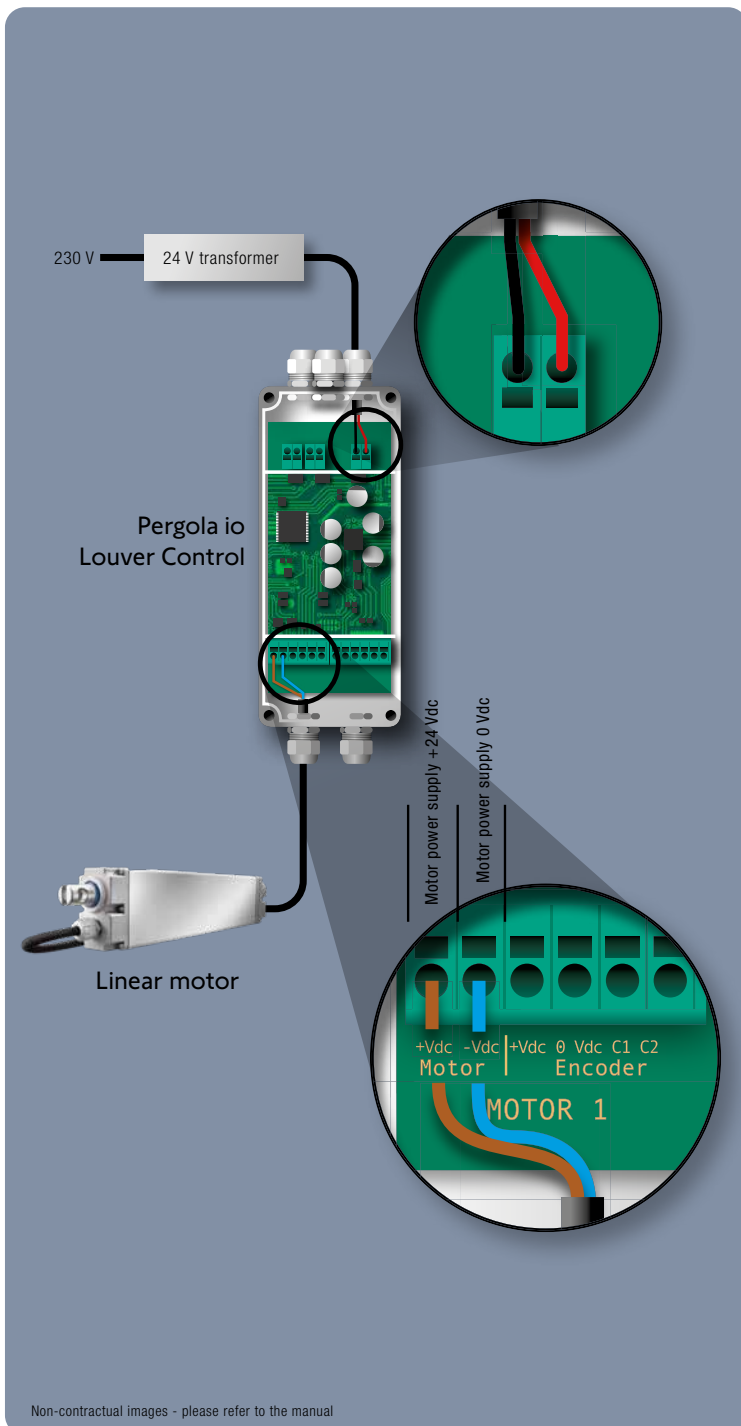# MOTOR WITH ENCODER INSTALLATION AND SETTINGS GUIDE
> *FULLY AUTOMATIC MODE*

RULE: High- and **down**-end limits are automatically set. End-limits are identified by motor sensors and the detection of resistance (slat closure or mechanical stop).

RESTRICTION: End-limit physical stop or full cylinder required.

WIRING

230 V — 24 V transformer

Pergola io Louver Control

Linear motor

Motor power supply +24 Vdc
Motor power supply 0 Vdc

+Vdc -Vdc | +Vdc 0 Vdc C1 C2
Motor | Encoder
MOTOR 1

Non-contractual images - please refer to the manual

SETTING

1 **MOTOR SET-UP**

2 **CHECK DIRECTION OF ROTATION** — **WRONG DIRECTION**

2 s

Opening

3 **AUTOMATIC END-LIMIT SETTING**

STOP — STOP

⚠️ *Do not stop the movement*

The motor completes its high- — *and down-end-limit settings*

4 **SNOW POSITION SETTING**

Select desired snow position

5 **SETTING VALIDATION**

2 s

6 Complete 4 full cycles to activate My position and all intermediate positions requested with the Situo 5 Variation, Tahoma or Nina.
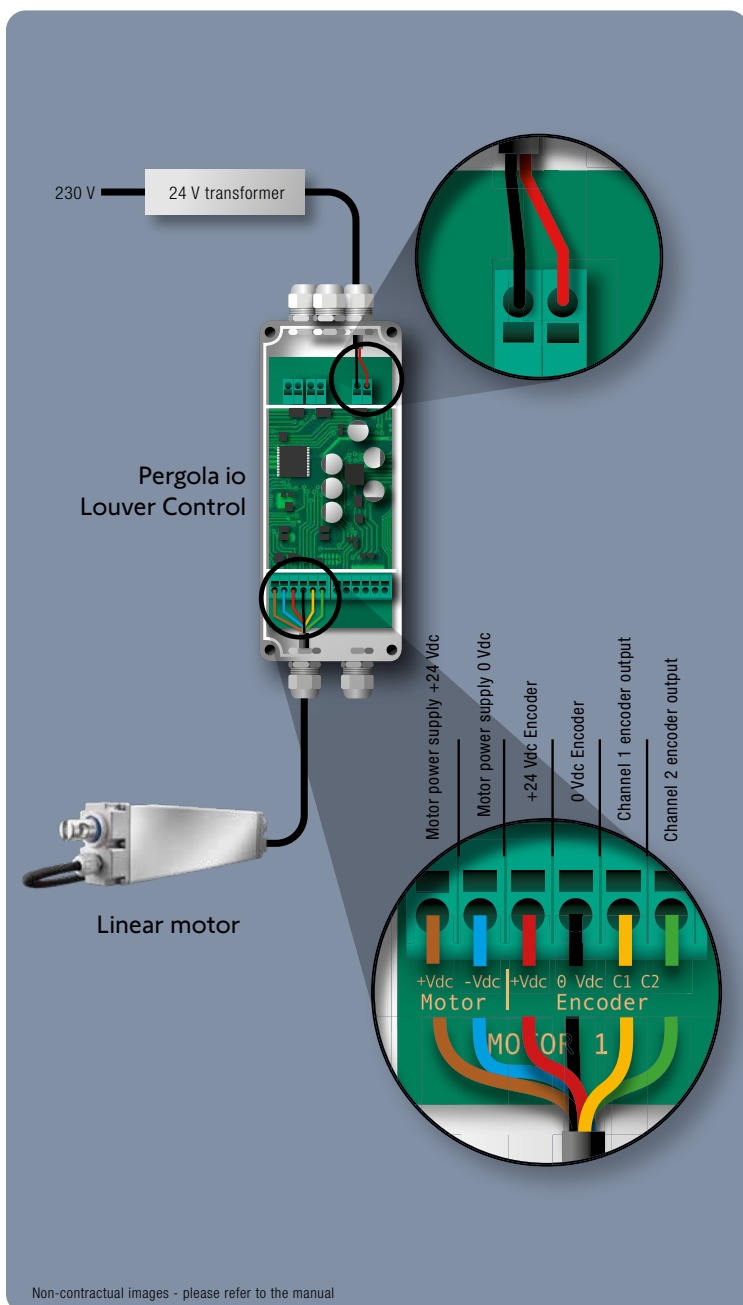
somfy®

MOTOR WITH ENCODER INSTALLATION AND SETTINGS GUIDE
> *SEMI-AUTOMATIC HIGH MODE*

RULE: The **high-**end-limit is set automatically (open slats). The "open slat" position is detected by a motor sensor and the detection of resistance (slat opening or mechanical stop).

RESTRICTION: Need a motor with a switch at the slat opening and a physical stop at **high**-end-limit.

WIRING

230 V

24 V transformer

Pergola io
Louver Control

Linear motor

Motor power supply +24 Vdc
Motor power supply 0 Vdc
+24 Vdc Encoder
0 Vdc Encoder
Channel 1 encoder output
Channel 2 encoder output

+Vdc -Vdc +Vdc 0 Vdc C1 C2
Motor   **Encoder**
MOTOR 1

Non-contractual images - please refer to the manual

SETTING

1 MOTOR SET-UP

2 CHECK DIRECTION OF ROTATION

Opening

WRONG DIRECTION

2 s

3 ADJUSTABLE HIGH-END-LIMITS

⚠ The motor reaches its high-**end-limit**.
Do not stop the movement

Select down-end-limit position

Save position

4 SNOW POSITION SETTING

Select desired snow position

5 SETTING VALIDATION

2 s

somfy®

MOTOR WITH ENCODER INSTALLATION AND SETTINGS GUIDE

> *SEMI-AUTOMATIC LOW MODE*

RULE: The **down-**end-limit is set automatically. The "closed slat" position is detected by a motor sensor and the detection of resistance (slat closure or mechanical stop).

RESTRICTION: Need a motor with a switch at slat closure and a physical stop at **down**-end-limit.

WIRING

230 V

24 V transformer

Pergola io
Louver Control

Linear motor

Motor power supply +24 Vdc
Motor power supply 0 Vdc
+24 Vdc Encoder
0 Vdc Encoder
Channel 1 encoder output
Channel 2 encoder output

+Vdc -Vdc +Vdc 0 Vdc C1 C2
Motor　　**Encoder**
MOTOR 1

Non-contractual images - please refer to the manual

SETTING

1 MOTOR SET-UP

2 CHECK ROTATION DIRECTION　　**WRONG DIRECTION**

Opening

2 s

3 ADJUSTABLE HIGH-END-LIMITS

Select high-end-limit position

Save position

⚠️ The motor completes its down-end-limit **settings.** *Do not stop the movement*

4 SNOW POSITION SETTING

Select desired snow position

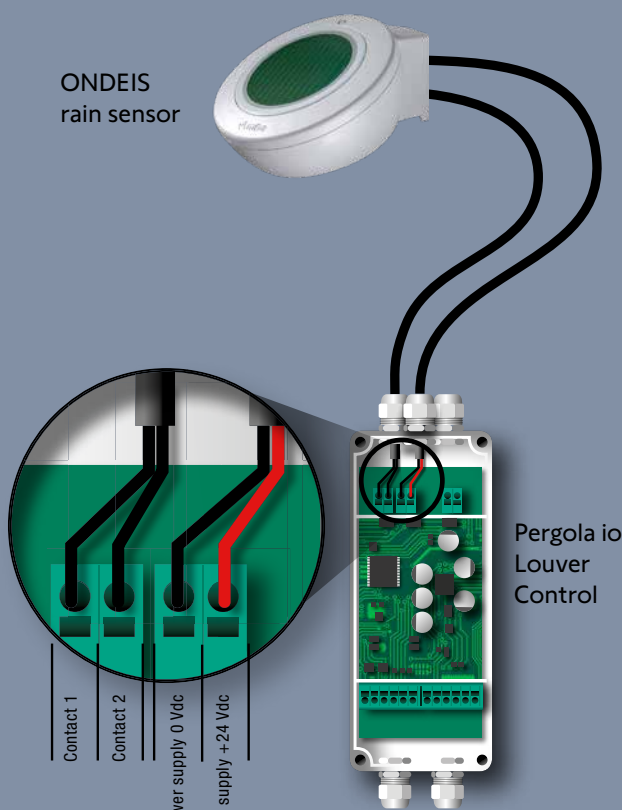**5 SETTING VALIDATION**

2 s

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INSTALLATION GUIDE
FOR SENSORS

WIRING
the wired rain sensor

ONDEIS
rain sensor

Pergola io
Louver
Control

Contact 1

Contact 2

Rain sensor power supply 0 Vdc

Rain sensor power supply +24 Vdc

Non-contractual images - please refer to the manual

PAIRING
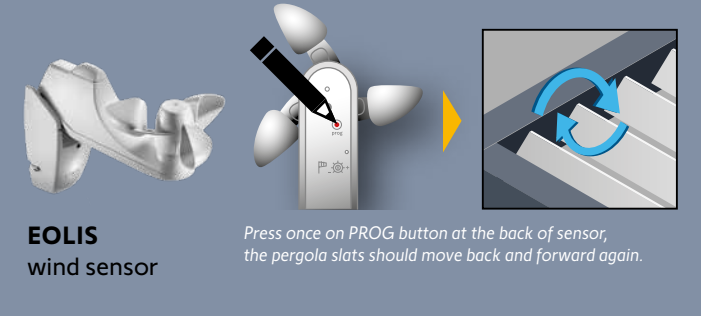### the connected wind and sun sensors

1 **REMOTE CONTROL PAIRING**

Press on PROG button on the back of remote control for 2 seconds until the pergola slats move back and forward.
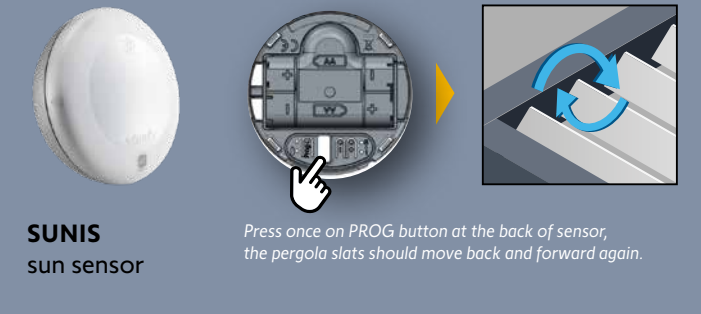
2 **PAIRING WIND AND SUN SENSORS**

EOLIS
wind sensor

Press once on PROG button at the back of sensor, the pergola slats should move back and forward again.

SUNIS
sun sensor

Press once on PROG button at the back of sensor, the pergola slats should move back and forward again.

To go **even further**

Use the Set&Go io interface to automatically programme and adjust your pergola depending on the weather and your own needs.

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