



Electronic motors

Compatibility with BMS

CONTEXT

- **What is a "Mechanical" Motor?**

It is a **Motor with wired technology**, supplied with the main Power. Its power supply cable is composed of 4 wires **Neutral, Up, Down, Earth**.
For example : LT50, LS40, ...

End limits are set with mechanical switch-units (or thumb screw) situated on the Motor head.

- **What is an "Electronic WT" Motor?**

It is also a **Motor with wired technology**, supplied with the main Power, **Neutral, Up, Down, Earth**, which electronic card allow more functions, like **obstacle detection, automatic end limits settable with a double push button stop, or a setting tool**.

Example of WT Motors: J4 WT, Oximo WT, Ilmo WT, Orea WT, Altea Zip, Altea BL.

- **What is a "BMS" (Building Management System)?**

Here, we refer to **third party Motor Controllers**, directly piloting WT motors.

WT MOTORS COMPATIBILITY WITH 3RD PARTY PROVIDERS



EVB¹

Choose from:
J4 WT (standard)
J4 2WT (double end-limit)



EXTERNAL SCREEN²

Choose:
Maestria WT



ROLLER SHUTTER

Choose from:
Oximo WT
Ilmo WT (incl. CSI and Short)
Solus P&P



AWNING

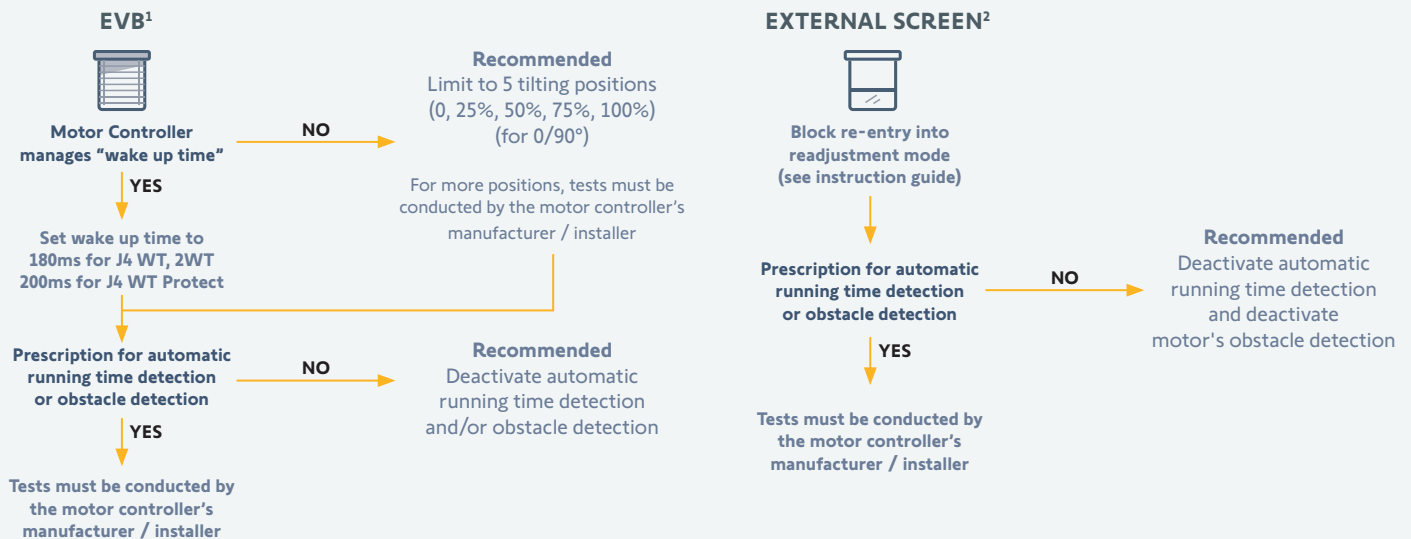
Choose:
Orea WT
(not recommended)

Do not use a BMS/Motor Controller with TRIAC

Set minimum time between UP and DOWN to 500ms

Use cable < 100m between motor and motor controller

SPECIFICITY



SUMMARY

Whatever the electronical motor

- Do not use TRIAC technology (only dry contact).
- Set time between UP and DOWN order to 500ms minimum.
- Use cable shorter than 100m.

For EVB

- Limit to 5 the number of tilting positions or set the appropriate wake up time (if available). If not possible, run tests.
- Do not use automatic running time detection or obstacle detection. If mandatory, run tests.

For External screens

- Block the possibility to enter re-adjustment mode (via EMS2 tool or Wired Setting Tool, for more details see installation guide).
- Do not use automatic running time detection or obstacle detection. If not possible, run tests.