

INSTALLATION AND CONNECTIONS

General connection rules for cables

Turn off the regulator before making any connection and disconnection.

Remember: before turning off the regulator, you have to **switch it to MANUAL mode** to avoid losing steps while the motor is moving.

1. MANUAL MODE

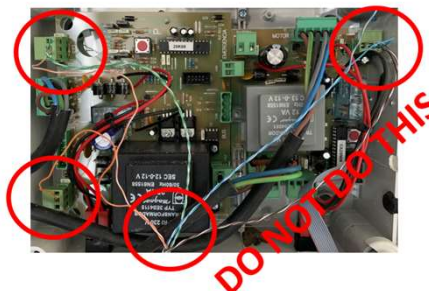


2. OFF

It is obligatory to use multiconductor flexible sheath



NEVER use separate conductors.



NO

DO NOT pass the multiconductor sheath near heat sources.

DO NOT SHARE tube or channel protection of multiconductor sheathes connecting OSMOEUROPA equipment with other multiconductor sheathes carrying energy (230 V / 400 V).

Do not connect the multiconductor sheath to any terminal until the installation is completed and the connectors are placed on both ends.

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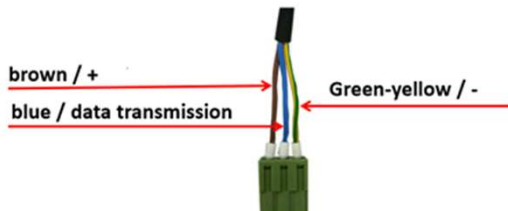
Connection of the digital temperature probe with the regulator

The correct position of the probe is vertical and upwards

Do not remove the probe flanges to maintain the position and thus prevent breakdowns due to water condensation.



Before making any connection between the regulator and the temperature probe **make sure the correct position of the cables** to prevent malfunctioning of the equipment and even breakage of it.



In new farming facilities put the temperature probes with shielded cable to avoid radio disturbances that affect the quality of the transmitted signals.



In farming facilities with no-screen cables installed for the temperature probes, put the filters that OSMOEUROPA has designed for the temperature probes to solve the interferences that cause erroneous signal readings.



Do not connect the multiconductor sheath to any terminal until the installation is completed and the connectors are placed on both ends.

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Connection of the motor with the regulator

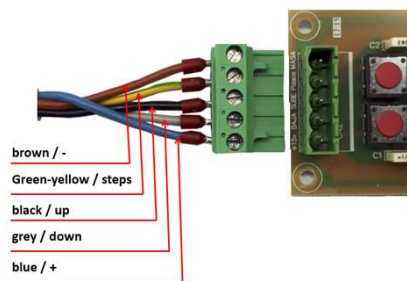
The modification of the multiconductor sheath must be carried out by an electrician authorised for such electrical installations.

Before making any connection between the regulator and the motor

make sure of

the correct position of cables

to avoid incorrect operation of the equipment and even the breakage of it (electronic board, microchip, etc.).



The cables that OSMOEUROPA uses for its equipment are standardised and can be purchased from your usual supplier of electrical equipment, with the necessary length

as long as they meet

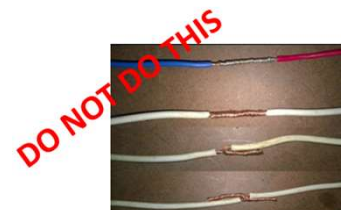
minimum specifications

of the indicated number of wires and their thickness:

CONNECTION	WIRES	THICKNESS / WIRE
CABLE REGULATOR-MOTOR / OFA	5	1 mm ²
CABLE PROBE-REGULATOR	3	0.5 mm ²
CABLE EXTERNAL BATTERY BOX - MOTOR	4	1 mm ²

Avoid extending the multi-conductor sheath by joining several wires together, since they have a risk of moisture penetration that can cause damage to the equipment.

If this extension is unavoidable, **use connection terminals** mounted individually or in connection blocks or strips and **always inside connection boxes** except when they are inside a protective channel.



Do not connect the multiconductor sheath to any terminal until the installation is completed and the connectors are placed on both ends.