



REGULATOR FOR AIR INLETS

OCM

MECHANICAL / NATURAL VENTILATION

REF.: MICROCHIP VERSION



OSMO SYSTEM FOR VENTILATION CONTROL

IN CASE OF 230V POWER SUPPLY CUT , INDEPENDENT OPERATION FOR UP TO 24 HOURS



DESCRIPTION:

Electronic equipment designed to open or close air inlets **with 1 OSMO lifting motor**.

Mechanical ventilation:

Option 1: Opening or closing of the air inlets through the orders of 0-10 V signal from the external devices according to the operation of the fans, creating the appropriate air flow for ventilation of the farm. The OFA * power supply (powered at 230 V) is the indispensable component in this case to provide power to the motor for its operation in continuous motion according to 0-10 V signal. At the same time, it charges the batteries so that they can start working in the event of any power supply cut.

Option 2: Temperature control by connecting and disconnecting external devices for ventilation, cooling, heating through the CVA * controller for each regulator.

Natural ventilation:

Temperature control using digital temperature probes. Temperature control from 0°C to 85°C with hysteresis of 1°C. Thermal jump detection.

Easy programming of the initial travel distance of air inlets and the controlling/operating parameters. Permanent memory of programmed parameters even during power supply cut. Possibility of connecting an external device for the programmable priority order for opening or closing. Fault detection system, easy reading of temperature parameters, battery voltage and position of the air inlets. Complies with IP65 protection regulations

TECHNICAL DATA:

12V / 230V

Dimensions length / width / height: 143x100x210mm

Weight: 1,10 kg

MICROCHIP PROGRAMMING VERSIONS

- BASIC - SIMPLE STEP 1.2 cm for opening and closing with 1 temperature probe *, programmable: emergency opening when 230V disappear
- 010MC – SIMPLE STEP 1.2cm for continuous movement according to 0-10 V signal with the OFA * power supply, programmable: emergency opening when 230V disappear
- DP - DOUBLE STEP 2.4 cm for opening and closing with additional functions
 - DP1 with 1 or 2 temperature probe per motor *, programmable: emergency opening when 230V disappear
 - DP2 with the functions of DP1 + Temperature band: programming of minimum and maximum temperatures*
 - DP3 with the functions of DP1 + Heating and ventilation control through CVA control box *
 - DP4 with the functions of DP1 + Wind control through CVA control box and anemometer *

From 01/07/2024, only MULTIPROGRAM microcontrollers are available,
which include all versions.

- Unified Multiprogram Micro: includes all programming versions.
- Unified Multiprogram Micro APP: for remote management of OSMO equipment.

*** EXPLORE OSMO MOTORS AND ACCESSORIES TO COMPLETE THE VENTILATION SYSTEM**

