

STABLE CLIMATE CONTROLLER

CAN technology for pig farms

The Veco.Mate product range by Weda (Germany) includes control systems, alarm units, and power supplies dedicated for pig farms. The devices can be networked via CAN.



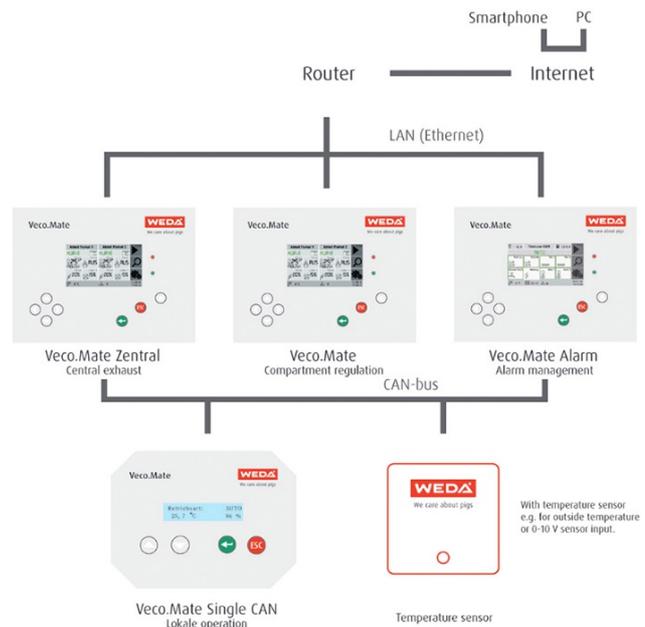
The climate computer is designed to control up to four compartments at a time. Functions and parameters are adaptable to local requirements. (Source: Weda)

The controller records all conditions, temperatures, and other measured values for up to 12 months. A 5-inch color display enables intuitive operation. Additionally, the device can be operated via separate keys. Various connection options for reading probes, sensors, measuring fans as well as for setting and controlling of hatches, fans, heaters, valves, etc. are provided. The mentioned devices can be networked via CAN. This allows to exchange data between devices and enables a central operation of the system. It is also possible to integrate decentralized sensor modules to record temperatures, and other measured values. Via the integrated LAN (local area network) interface, the computer can be operated via a PC or a smartphone using the integrated web server.

The Veco.Mate Single CAN is a climate computer for control of one compartment. It adopts functions such as operating modes, growth curve, outside temperature

compensation, and automatic lowering from the controller. A two-line display shows the relevant compartment data. The Veco.Mate Alarm computer can manage up to 16 separate alarms. It offers connection options for probes and sensors as well as digital contacts for detecting of external conditions. Additional sensors can be connected to the alarm computer via CAN. This enables e.g., to monitor the temperature in the compartments and to generate alarms if the temperature falls below or exceeds a defined threshold.

The power supply units were developed for agriculture use. The UPS variants integrate two rechargeable batteries, which maintain the output voltage in the event of a power failure. A 230-V_{AC} version is also available. Integrated LEDs on the front panel inform about the status of the device. Presence of supply voltage, functioning batteries, and the occurred errors are displayed. If the alarm relay in the device is connected to the alarm computer, the user automatically receives an alarm in the event of a power supply error.



Networking options of the units (Source: Weda)

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