



ACS2 - flexible climate controller

New advanced climate control features in the ACS2 optimize the climate control process in the house. The software in the ACS2 determines the “dehumidification potential” in the house and automatically stops the dehumidification process if useless.

30 % cut in heat consumption

The dehumidification potential is calculated on basis of measurements of temperature and humidity on both the outdoor and the indoor air. Through this the ACS2 controller prevents unnecessary usage of heat in the dehumidification process and eliminates the risk of excessive ventilation. The result is a 30 % cut in heat consumption and an overall improvement of the in-house climate.

Stable climate

The ACS2 does not only cut the heat consumption by 30 %, it also has significant effect on the in-house climate. A stable in-house climate is essential in any house for livestock and will benefit production results in a positive way. In full control the in-house dehumidification process problems caused by excess heating/ventilation is no longer an issue. The ACS2 will help you stay focused in your effort to improve the production figures.



Stay on top of your production

The flexibility and power of the ACS2 makes it suitable for controlling any type of ventilation, heating or system for cooling for livestock facilities.

The ACS2 climate controller can be updated with new software that will help you stay on top of your production. This update of software can be done via Internet, so you will always be able to update your ACS2 controller with the latest climate control features. With up to 16 different languages accessible simultaneously, the ACS2 can be served by almost anyone in his/her preferred language.

Traceability

The ACS2 keeps track of all parameters and users for an indefinite period of time.

The ACS2 screen menu can be defined specifically to the needs of each person allowed access, so unskilled persons will never be able to enter menus where critical parameters can be adjusted. An important feature for large scale operations, since each and every employee only has access to parameters concerning their function.

TECHNICAL SPECIFICATIONS

Connections	Software	Hardware	Description
Sensors	32	7	4 temperature and humidity sensors, outside temperature, outside humidity, static pressure, forward and return temperatures for hot water radiators
Analogue Outputs	32	6	Individual baffle positioning on inlet and outlet fans, wall inlets, exhaust fan speed, inlet fan speed control, analogue heat control, light dimmer control
Digital Outputs	128	12	Heat control, humidity control, multi stage ventilation control, lights and additional programmable timers and on/off controls
Digital Inputs	128	8	Feed weighing, water meter, gas meter, electricity meter, alarms from fuses and motor protectors, drinking systems, heat and ventilation system
Communication		3	Terminal, FlexAirBus, local network to ACSnet server
Users			Per terminal, controlled by the system manager. No limits on the ACSnet server.
Languages		16	Number of users is managed by farm manager 16 simultaneous languages, including Cyrillic letters
Archives		4	Continuous logging of all events, including input, alarm registration, daily reports

