



Natural ventilation in an economic manner

- Climate control in naturally-ventilated houses
- 1 ventilation group and 8 individual curtain controls
- Features weather compensation
- 4 temperature controls and 2 cooling units
- 6 intensity-controlled timers, optionally with twilight switches
- Safety guaranteed by an emergency stop and an anti-crush facility
- All curtains are opened/closed briefly and automatically every day
- Protected communication with **FarmConnect**

The CL-5000 cattle computer is the number one climate control solution for naturally-ventilated animal houses

As the CL-5000 features virtually all possible ventilation controls that occur in modern cattle farming, it enables you to constantly monitor and control the climate in the animal house. The cattle computer has one ventilation group and eight curtain controls. These controls can be programmed individually and are linked to different temperature sensors. The controller raises or lowers the curtains depending on the temperature measured. The CL-5000 also features weather compensation. In conjunction with the weather station and the rain sensor, the cattle computer ensures that any influence of rain and wind on the climate in the house is minimised. The individual curtain controls are corrected based on wind speed, wind direction and rain, after which the corresponding curtains are opened/closed. The weather station can communicate with several houses at a time. To guarantee optimum safety and a long service life of the curtains, the CL-5000 has an anti-crush facility and a daily automatic and short open/close action.



Technical specifications CL-5000

General

- 230Vac-50/60 Hz supply voltage
- 30VA load
- dimensions: 230 x 320 x 155 mm
- protection category: IP-54
- ABS housing
- min. ambient temp.: -5°C
- max. ambient temp.: 40°C

Inputs

- 3 digital inputs for the dim switches and/or counters
- 5 temperature inputs
- 4 0-10V inputs for RH sensor, etc.

Outputs

- 9 relay outputs for cooling, heating etc.
- 5 0-10V outputs for light and ventilation controls
- 1 error relay
- 3 x 24Vdc/80mA supply voltage
- 1 x 12Vdc/25mA supply voltage

Options

- functional expansion by means of Module bus
- communication via the RS-485 PCB

ECO-Prop



The Stienen BE ECO-Prop can be controlled accurately by the SPM or MPM. The recirculation fan is distinguished by its hugely energy-efficient character. Its large diameter enables this Stienen fan to displace the same amount of air as the usual smaller fans, but at a much lower speed.

This offers three advantages:

1. considerable energy savings
2. a low sound level
3. reduced draught and/or dehydration symptoms

The ECO-Prop is covered in wire mesh or plastic sheeting.

FarmConnect



FarmConnect is Stienen BE's innovative Cloud Computing system. You can access your farm data from anywhere in the world by means of the IP-485 gateway. All management information from the process computers is stored in the cloud via the data centre. You can use an SSL-protected web browser to log on and all data, which may concern different locations, is centralised to give a comprehensive overview. FarmConnect keeps you 'connected' to your farm, wherever you may be.

ELM-150 motors



The CL-5000 works in conjunction with the ELM-150 motors. There are two versions: the ELM-150C to drive the curtains and the ELM-150V to drive the air intake valves.

