



KL-6001 series

An efficient climate computer for individual rooms at your pig farm

- Available with a 0-10V, 6A, or 12A fan control output
- Extensive control functions
- Unused functions are not displayed
- Large graphic display for a complete overview of your housing unit
- Quick and easy to set
- Relay extension by internal plug-on circuit board
- Protected communication with **FarmConnect**

The KL-6001 is a comprehensive climate computer that allows you to optimally control an individual room's climate

This house computer features heating, ventilation, cooling, and growth curve control functions. The special climate controls for Ecovent, central exhaust and AQC air control units make the KL-6001 the ideal climate computer for these house systems. You can customise the KL-6001 to the specific situation on your farm by not displaying any functions you are not using. This makes this house computer very user friendly and transparent. The large graphic display gives you a full overview of your house at a single glance enabling you to make any changes very quickly.



Technical specifications KL-6001 series

General

- 230Vac - 50/60Hz supply voltage
- protection category IP-54
- ABS housing
- min. ambient temp.: -5°C
- max. ambient temp.: 40°C

Inputs and outputs

- 4 temperature sensors
- 1 measuring fan input
- 1 input, 0-10Vdc
- 2 solid state outputs, 24..230Vac
- 1 output, 24Vdc/80mA
- 1 output, 24Vdc/160mA
- 1 output, 12Vdc/25mA
- 1 error relay, 24Vdc/2A

Available in 3 versions

KL-6001:

- 3 outputs, 0-10Vdc
- 25VA load
- dimensions: 310 x 225 x 155mm

KL-6001-6:

- 230Vac/6Amp fan output
- 2 outputs, 0-10Vdc
- 1.4 kVA load
- dimensions: 310 x 225 x 155mm

KL-6001-12:

- 230Vac/12Amp fan output
- 2 outputs, 0-10Vdc
- 2.8 kVA load
- dimensions: 310 x 225 x 180mm

Options

- communication via RS-485 PCB
- extra relay functions via an RKL-4 plug-on circuit board
- functional expansion by means of module bus

RKL-4 plug-on circuit board

The RKL-4 plug-on circuit board can be installed in the KL-6001 to expand its functionality by 4 relays of 230Vac/2A each. The relays can be used to create extra fan circuits, more heating and/or cooling functions, or to connect extra AQC units etc.

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.

AQC



The excellent aerodynamic properties of the measuring fan and the control flap (double or quadruple) of the AQC enable highly reliable ventilation control. In combination with a Stienen climate computer, the AQC can be used as a measuring and control unit in a central exhaust system, and as a measuring and damper unit under ventilation sockets. This unit enables the ventilation capacity to be controlled starting from 0.4 m/s. As standard, the AQC is supplied with a unique connector, guaranteeing trouble-free installation.

