Product information

SIRIUS-CL(S)
Flap- / ventilation computer

Customized Computerization
For Poultry & Pig Farming

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## Flap- / ventilation computer
Product information

General
The Sirius-CL is a ventilation computer which is applied in houses where the ventilation may be controlled proportionally and / or in stages. To maintain the negative pressure constant, it is possible to control the air inlet by making use of an extra negative pressure sensor. The heating and cooling are controlled by a relay contact. If there is a need for an extra air humidity sensor, the cooling can be switched off when the relative air humidity becomes too high. The Sirius-CL makes use of extra timers which have the advantage to set and control the feeding-, water- and lighting system. At the same time, food and water consumption can be recorded because the Sirius-CL includes pulse inputs for a mechanical feed scale, silo scale or for water counters. The control communicates with clear language independent symbols that immediately make sense to the user. This makes it possible to use curves at important settings, when for example the desired temperature is automatically adjusted to the age of the animals.

Connection possibilities
Multiple Sirius computers and / or Orion computers can be connected to the SmartLink by using the CAN-Backbone.
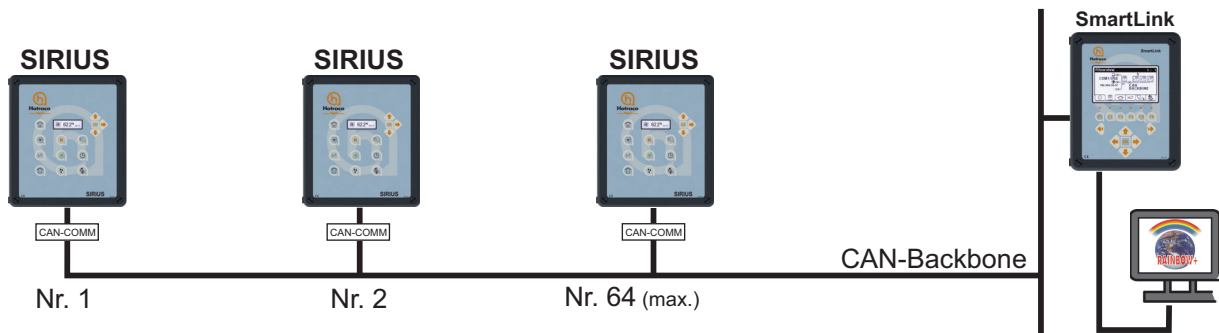

PC control
By using the advanced communication-module and the Rainbow+ management system, the Sirius-CL can be remote controlled from your home pc. Here too, user friendliness and graphic display were the points of departure. At a single glance the user gets an overall view of all his production houses, what systems in said houses are activated and if an alarm has been released in one of them.
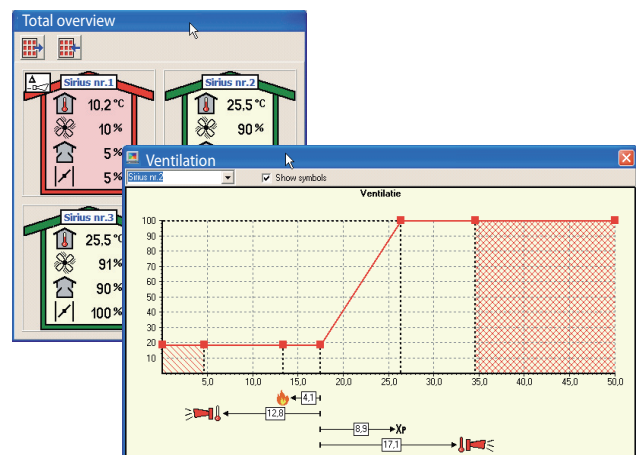
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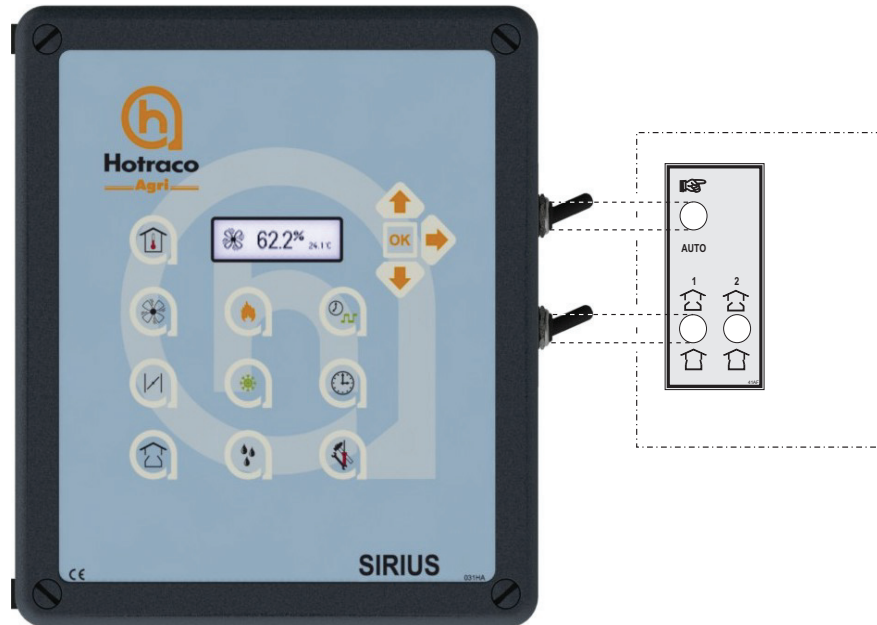
5 Analogue Inputs

To choose:
1 x Outside temperature	°C
2 x Room temperature	°C
1 x Negativ pressure	Pa
1 x Humidity sensor	▲%
2 x Feedback potentiometer	Ω

3 Digital Inputs

3 x Counter

INPUTS

OUTPUTS

4 Analogue Outputs

To choose:
1 x Ventilation	0-10V
2 x Inlet flap	0-10V
1 x Damper	0-10V
2 x Heating	0-10V

12 Digital Outputs

To choose:
8 x Ventilation	0/1
1 x Tunnel ventilation	0/1
2 x Heating	0/1
1 x Cooling	0/1
1 x Humidification	0/1
3 x Timer	0/1
2 x Flap open	0/1
2 x Flap dicht	0/1

Alarm

RS-232

RAINBOW+

= Option

CAN-COMM

Next Sirius

Smartlink

RAINBOW+
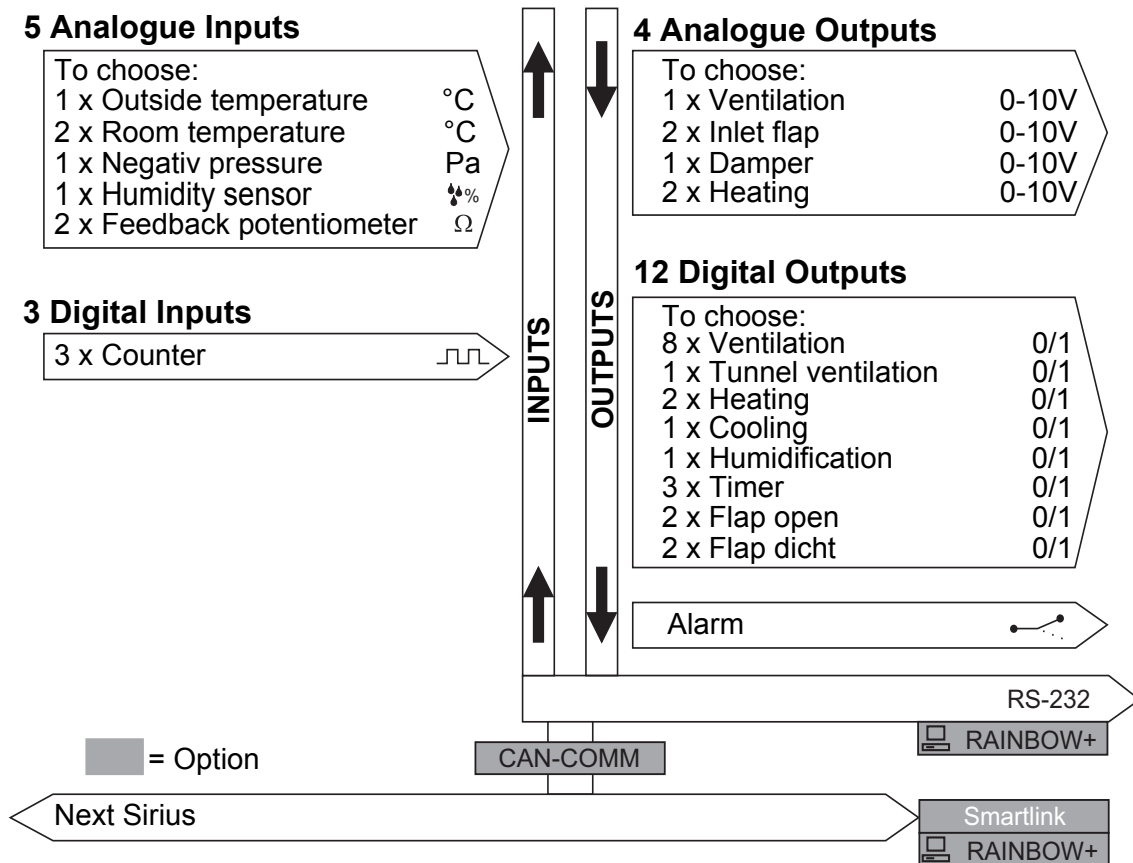
Technical specifications

Electrical

Mains	:	230 Vac ±10% , 50/60 Hz
Power consumption	:	max. 12 VA
Fuse mains	:	T 4 A (dim. 5 x 20 mm)
Fuse control current	:	T 800 mA (dim. 5 x 20 mm)

Analogue inputs

Temperature sensor	:	-25 °C to 95 °C, ± 0,5 °C
0…20 mA	:	0-20 mA (R_i = 250 Ω)
0…5 V	:	0-5 V (R_i = ∞ Ω)
Resistor	:	0,5 mA / 10KΩ

Digital inputs

Counter	:	NPN-sensor / max. 10 Hz
		No-load voltage 5 Vdc

Analogue outputs

0…10 Vdc	:	0-10 V / max. 1 mA

Digital outputs

Relay output K1…K6, K11 en K12	:	2 A, 250 Vac
Relay output K7…K10	:	4 A, 250 Vac
Alarm relay	:	0,5 A, 24 Vac/dc

Power 24 Vdc

Power supply	:	24 Vdc / max. 25 mA

Complies with EC directives

EMC	:	2004 / 108 / EC
Low tension	:	2006 / 95 / EC

Mechanical

Operating temperature range	:	0…40 °C
Dimensions (H x W x D)	:	278 x 243 x 117 mm
Encasing	:	IP 54 ABS synthetic
Weight	:	approx. 3 kg