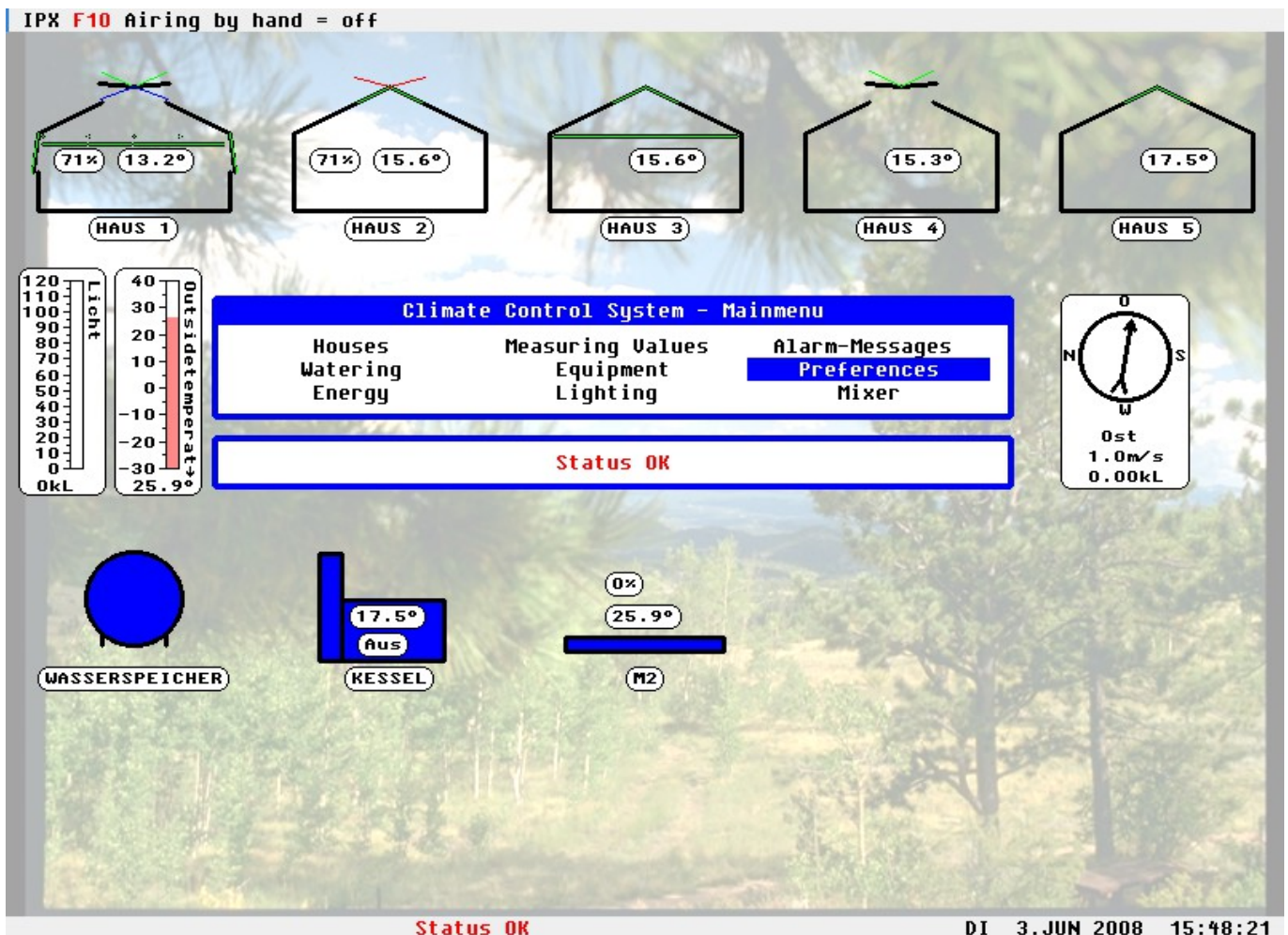


Climate-Computer for Greenhouses

We are offering you devices and software for:

- Heating regulation of various kinds
- Air ventilation regulation - also side ventilation
- Screen regulation - more screens can be used per house
- Humidity control, dehumidification and humidification
- Energy management: Boiler control, storage tank, block type thermal power plants, integration of biogas plants, adaptation to special operating conditions
- Irrigation with lots of setting options according to your requirements

Inquiry via the Internet using a WebBrowser or a mobile phone



Stratmann Industrietechnik
Hubertusstrasse 20
46395 Bocholt – Germany

Phone: +49 2871 32816
Fax: +49 2871 2395741
www.klimaregelung.de

Temperature measurement



Record your house temperature, mixer flow temperature, soil temperature, etc. equipped with temperature sensors made by Stratmann Industrietechnik – easy to connect via a 4-wire cable. Your advantage: You will have an overview of the current temperature on site. At the same time, the data is transmitted to your computer: There you can individually control the degree of heat. Thus you may save time and optimise the growing conditions for your plants. Please find further information and photos under:

www.klimaregelung.de

Weather station

Measure:

- the outside temperature
- the light irradiation
- the wind speed
- the wind direction
- including rain detector

Also easy to connect to a 4-wire cable.

The air-ventilations drive to a protective position if there is rain, wind, storm or a hurricane.



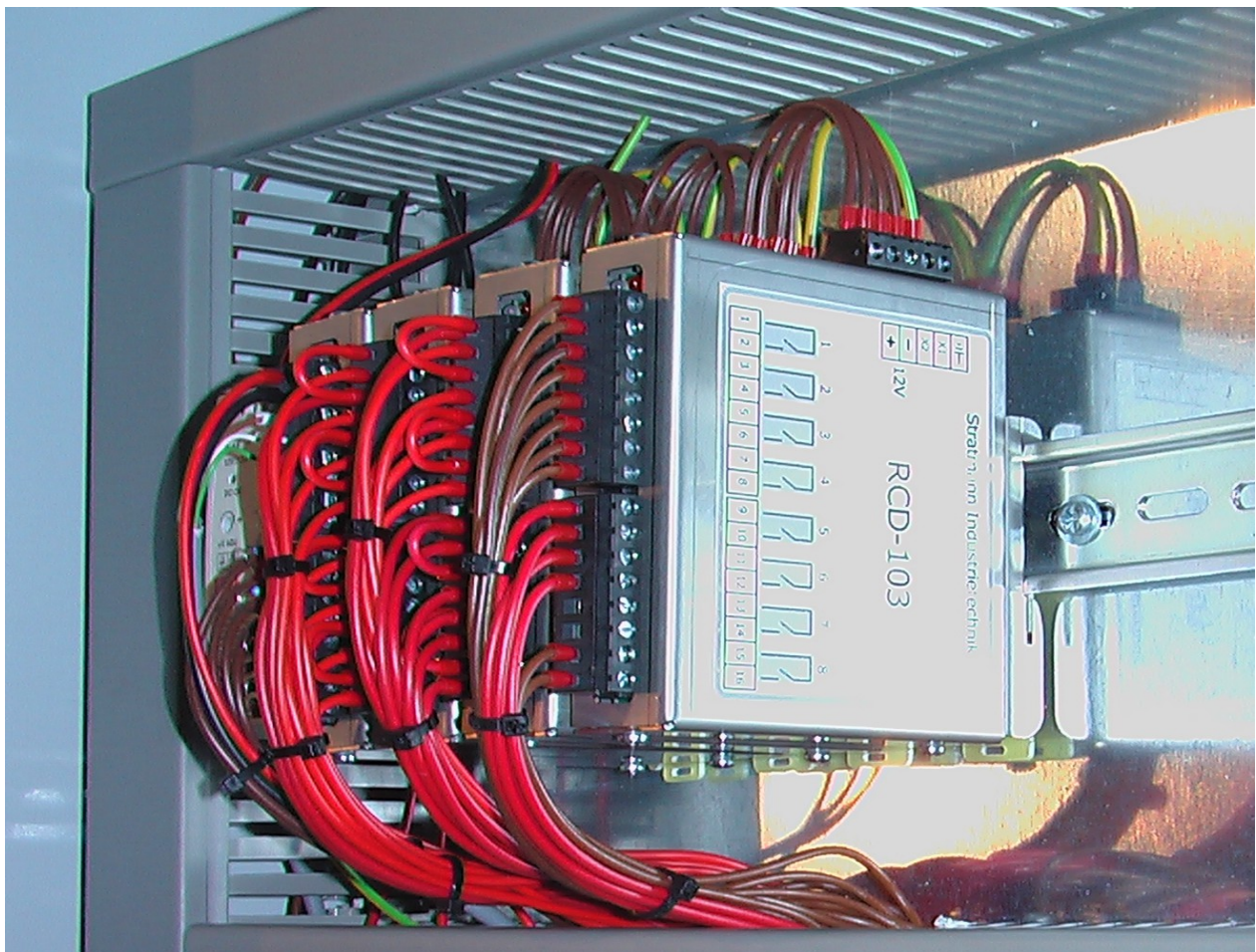
Humidity measurement

Determine the air humidity in your greenhouse using the dry/wet method: One temperature sensor measures the dry matter in the air, another sensor measures the wet temperature. Using this method it is possible to exactly define the humidity value. If required, the computer automatically regulates the humidity in the greenhouses.



Switching units

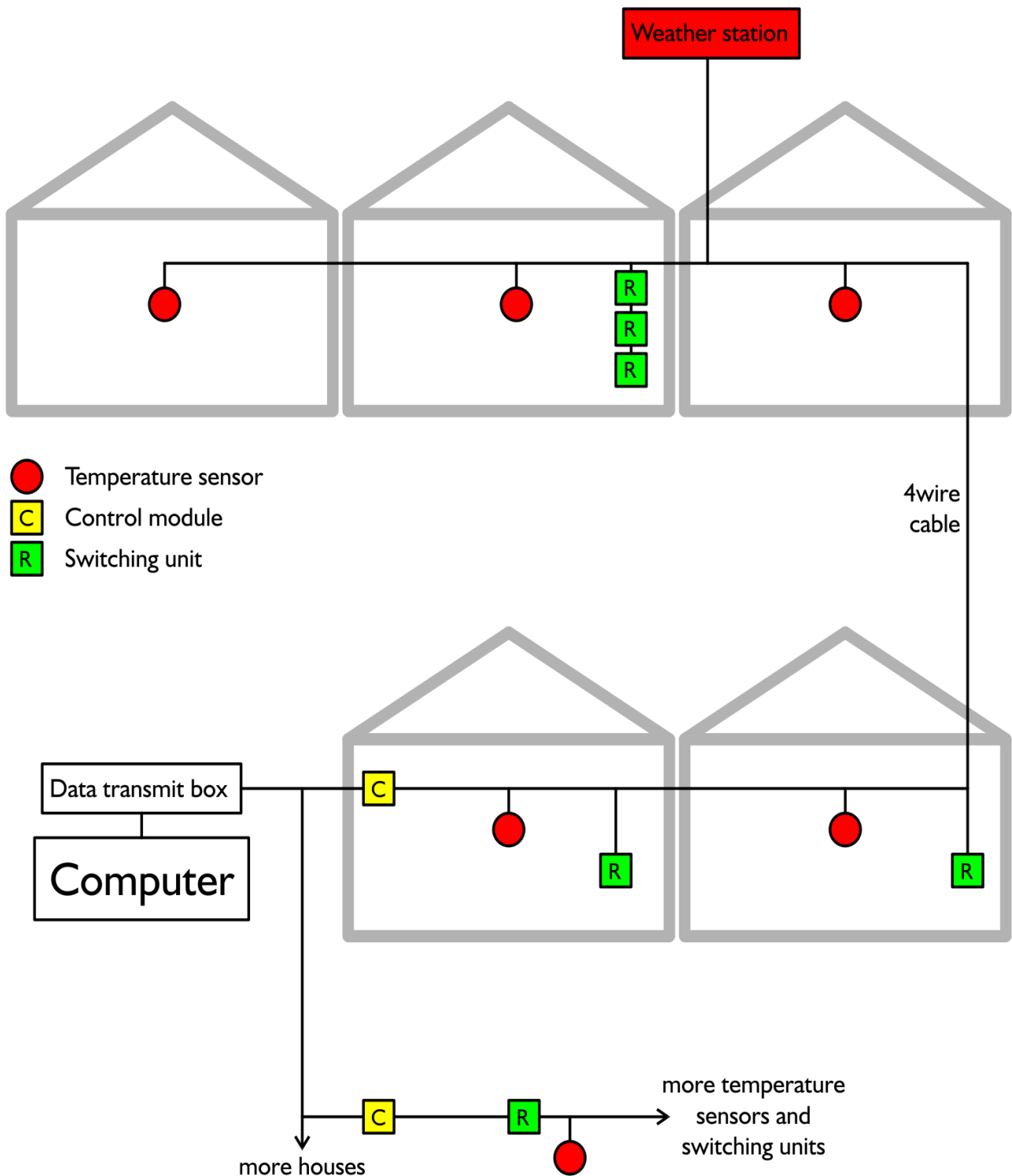
Switching units are required to switch the **heatings, ventilations, screens, water valves, etc.** These switching units can be positioned centrally in a control cabinet on a DIN-rail or separately in the greenhouses. They are connected by means of a 4-wire cable.



Installation in a control cabinet

Installation

You can lay the cables by your own. For the sensors and switching units a 4-wire cable is laid. We recommend you to cooperate with your industrial electrician.



Connecting diagram – suitable for any size of company.

Price list

With the components from Stratmann Industrietechnik it is possible to automatically actuate a wide variety of electric equipment in your plant. The parameters are entered in the computer. And if the computer is connected to the Internet you even can read and adjust the temperatures from a distance.

EPC-505 Energy-saving Computer	upon request
Climate control software, Basic system	upon request
Data transmission box DIB-100 To connect the computer to the control modules	223,20
Temperature sensor TSN-303 Bus system with red LED digital display	129,60
Wether station WTS-303 Wind speed, wind direction, rain detector, outside temperature, luxmeter, bus system	1010,40
Humidity measurement box HBX-303 Bus system (dry, wet)	436,80
Control module CCR-730 Connection to the PC, bus-connection for sensors and i/o boards	273,66
Switching module RCD-103 With 8 coupling relais each, bus system	249,60
Input module IPD-103 8 x input via potential-free contacts, bus system	249,60
Price per working hour for the installation on site	48,00

Prices in Euros, net, without VAT. Dated 09 / 2011

Block type thermal power plant / Biogas plant

We are experienced in integrating
block type thermal power plants –
with and without storage tank.
Contact us!



**Installation in a control cabinet.
Manufactured according to the specification of a customer.**

References:

Germany:

Blumen Menzel, 58093 Hagen, www.blumen-menzel.de
Hans-Wilhelm Berthe Gartenbau, 46419 Isselburg-Anholt
Gartenbau Christian Gößwald, 84056 Rottenburg, www.gaertnerei-goesswald.de
Orchideen Leukers, 47647 Kerken, www.leukers.eu
Gartenbau Arrets, 47608 Geldern
Rosen Terdues, 48739 Legden
Kemper Gartenbau, 48231 Warendorf, www.garten2000.de
Schümann Gartenbau, 21037 Hamburg (2 companies)
Gartenbau Schlereth, 83224 Grassau
Ulrich Kayser Gartenbau, 21037 Hamburg
Gärtnerei Holzweissig, 22529 Hamburg, www.gaertnerei-holzweissig.de
Gartenbau Wöffling, 91732 Merkendorf
Klingelhöfer Gartenbau, 33619 Bielefeld, www.gemueselust.de (2 companies)
Heuger, 49219 Glandorf, www.heuger-blumen.de
Gartenservice Rauch, 91586 Lichtenau
Gartenbau Fenske, 21109 Hamburg
1A Garten Hauner, 93059 Regensburg, www.1a-garten-hauner.de
Gärtnerei Bödder, 46325 Borken, www.blumenhausboedder.de (2 companies)
Gemüsemarkt im Paradies, 78462 Konstanz, www.gemuesemarkt-paradies.de
Bayerisches Obstzentrum, 85399 Hallbergmoos www.obstzentrum.de
Gärtnerei André Hagedorn, 17255 Wesenberg
Gärtnerei Overhoff, 58454 Witten
Gärtnerei M. Pötschke, 02699 Neschwitz, www.gaertnerei-m-poetschke.de
Blumenhaus Kreiß, 04889 Schildau, Gneisenaustadt
Biogärtnerei Dirk von der Ehe, 19071 Grambow
Blumenland Halmer, 88605 Meßkirch, www.blumenland-halmer.de
Gärtnerei Strobel, 80995 München, www.gartenbau-strobel.de
Blumenland Wiedmaier, 72224 Ebhausen, www.blumenland-wiedmaier.de
Gärtnerei Bimberg, 09599 Freiberg www.gaertnerei-bimberg.de

Europe:

Robert Lorimer, Northern Ireland
Tuinderij de Locht, 6012 RD Haler, Netherland, www.tuinderij-de-locht.nl
Ideengärtnerei Müller, Thüringen, Austria, www.ideengaertnerei.at
Boomkwekerij C. Verhelst, 8490 Jabbeke, Belgium
Gärtnerei Seelmann, 4623 Gunskirchen, Austria

Send us your personal requirements

Greenhouses

1 2 3 4 5 6 7 8 9 10 11 12

Heating

Number of heating pumps
Number of heating mixers
Number of heating ventilation
Number of throttlevalves

Room for notes

Air ventilation

Number of air ventilations

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Energy screen

Number of energy screens

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Humidity measure / control

Please mark

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Irrigation

Number of watervalves
Voltage of valves

Light

Number of light segments

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Additional demands: Boiler, storagetank, block type thermal power plant, etc...

Sender:

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