



CDC CLIMATE COMPUTER

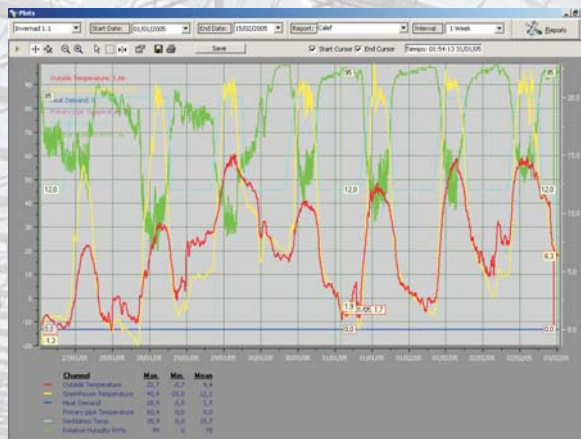
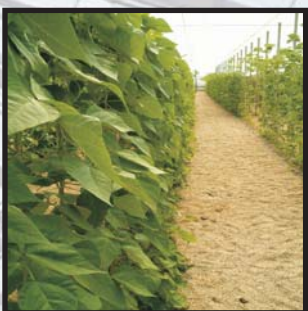
Advanced and Complete Control

The CDC Climate Computer is supplied with control of up to 4 independent greenhouse compartments and standard input for 8 sensors and 16 outputs, however this can be expanded to virtually any number required.



HEATING CONTROL

The CDC offers integrated control of up to three heating systems, including control of three way valves and circulation pumps. Available are primary and secondary heating systems as well as soil heating. The temperature control can be divided into as many as 8 time zones over the 24 hours of the day. The time zones can be set as fixed times or set in relation to the time of sunrise and sunset. An important element in the CDC computer is the capacity of controlling temperature to the desired settings, in such clever manner, that the excess heating cost is avoided. Light and humidity are fully integrated in the heating control. Part of the heating control is a very tight integration with the level of solar radiation, as well as the control of both: high and low humidity. The result is that CDC detects and interacts in accordance with the level of energy that the plants receive from the sun, and in this way forms an important synergy effect benefiting plant production. The humidity control is capable of preventing diseases by acting in control of excess humidity, and by raising humidity during periods of high temperature and low humidity.





HUMIDITY CONTROL

As already described the humidity control of the CDC Climate System is highly advanced and efficient. Thanks to the high quality humidity sensor placed inside the greenhouse and the feed-back from the humidity sensor of the outdoor weather station, the computer is able to take intelligent and correct decision in order to control ambient humidity inside the different greenhouse compartments. The humidity can be controlled by using readings in % (relative humidity), Delta X, Delta T or Vapour Pressure Deficit (VPD).



SCREEN CONTROL

Control of two screen systems is standard part of the CDC programme. But for special tasks we can control up to three screens. The three options are energy screen, shade screen and black-out screen. The use of screens is an important part of creating the best environment for the plants. Furthermore the screens allows for huge savings on the cost of heating. The CDC screen control is as all elements of this climate computer closely tied in with the outdoor climate. The screens are only retracted once the light level is high enough and only in small steps, in order to avoid cold stress caused by the cool air, that often forms above a screen. With our controller it is also possible to control outdoor screens.

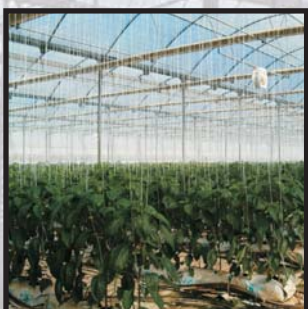


CONTROL OF CO₂ AND ARTIFICIAL LIGHT

CO₂ is nearly always a limiting factor for plant production in greenhouses, and this is why we offer you the control of CO₂ in each compartment in relation to the light level and ventilation.

CONTROL FROM PC

Control from a PC, as well as data logging of all climate data in the greenhouse, is a natural part of the CDC Climate System. The PC connection also allows for remote control and supervision via modem, or GPRS.



Further Information

For more information about the CDC or CDC-Smart, please contact our sale advisor or a INTA dealer near you.
You can also visit our website: www.inta.com.es.