

Greenhouse Computers Sercom



Measurements

- Temperature
- Humidity
- Wind speed
- Wind direction
- Radiation
- CO₂
- Water flow
- EC
- PH
- Gas flow
- Humidity in slab

Hortilife B.V.-Sercom greenhouse computer systems

Hortilife B.V. supplies and installs Sercom computer systems in greenhouses, irrigation units and storage facilities to completely automate climate and operational control. The systems can controlled o.a.: temperature, humidity, ventilation, screens, pad and fan, heating, CO₂ systems, boilers, (water)buffers, irrigation, recirculation systems etc. Sercom works closely with Hortilife B.V. and take into consideration in their design needs and requirements of our customers

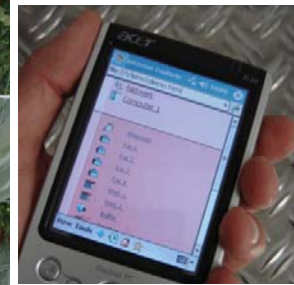
The Hortilife B.V.-Sercom process computer incorporates many years of practical experiences working in the agricultural and greenhouse industry. The Hortilife B.V.-Sercom system is operated through an integrated LCD (touch-screen) display or by SercoVision. Sercom greenhouse computers continue to work even under extreme temperatures, have normal power grid demands and are relatively insensitive for interfering signals from other equipment.

SercoVision

SercoVision is a very user friendly, graphical interface that can also store and manage historical process data. The settings of the process computer are logically displayed and can be easily adjusted. SercomVision runs on any PC following the Windows standard and is thus easy to review. To prevent power surges and spike (lightning or other electrical interference) damaging the SercoVision computer an optical cable is used to connect the SercoVision PC to the process computer.

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Hortilife
The Green Engineers



Applications

- Greenhouse micro climate control of temperature and humidity. Systems using to control: heating, vents, air humidifiers, recirculation, CO2, etc
- Plastic greenhouse micro climate control of temperature and humidity. Systems using to control: heating, vents, circulation fans.
- Ventilation control plastic greenhouses. Vent control only
- Irrigation controller. Both recipe and valve operation
- Forcing cell for flower bulbs, temperature and humidity through cooling, heating and calorifier.
- Storage facilities, temperature and humidity through in- and outlets, circulations fans, mechanical cooling etc.

Available models

- SC 600** Low cost model for ventilation and heating control in a small greenhouse, including weather station.
- SC 750i** Stand alone irrigation computer for 1 irrigation unit. 8 digital & 16 analogue input signals, 16 digital outs. Upgradeable with 3 Fastlink prints.
- SC 750c** Stand alone climate computer for 1 greenhouse section. 8 digital & 16 analogue input signals, 16 digital outs. Upgradeable with 3 Fastlink prints.
- SC 800** Greenhouse computer. 6 digital & 16 analogue input signals, 16 digital outs. Upgradeable with 3 Fastlink prints.
- SC 850** Same as SC800, only with integrated LCD color display.
- SC 900** Greenhouse computer, standard with 1 x I/O system board, 16 digital & 48 analogue input sig., 48 digital outs. Upgradeable with 4 Fastlink prints.
- SC 950/1** Greenhouse computer, standard with 1 x I/O system board, 16 digital & 48 analogue input signals, 48 digital outs. Upgradeable with 1 x I/O system board and 4 Fastlink prints.
- SC 950/2** Greenhouse computer, standard with 2 x I/O system board, 32 digital & 96 analogue input signals, 96 digital outs. Upgradeable with 4 Fastlink prints.
- SCX 1000** Greenhouse computer with 19 inch system casing for separate SCX prints. Besides the AVA power supply and processor board, max 9 SCX can be placed.
- SCX 2000** Greenhouse computer with 19 inch system casing for separate SCX prints. Besides the AVA power supply and processor board, max 19 SCX can be placed.
- SCX 4000** Greenhouse computer with 19 inch system casing for separate SCX prints. Besides the AVA power supply and processor board, max 39 SCX can be placed.

Fastlink SCI16DI	16 digital input signals	Alarms, measured pulses, etc
Fastlink SCI16DU	16 digital outs	Pumps, mixing valves, vents etc.
Fastlink SC16AI	16 analogue input signals	measurements
Fastlink SC8AU	8 analogue outs	Voltage or Amps outs
Fastlink SC16REL	16 relay outs	potential free relay outs
SCX 32 Di	32 digital inputs signals	Alarms, measured pulses, etc
SCX 32 DU	32 digital outs	Pumps, mixing valves, vents etc.
SCX 32 AI	32 analogue input signals	measurements
SCX 16 AU	16 analogue outs	Voltage or Amps out
SCX 32 REL	32 relay outs	potential free relay outs

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