



HortiMaX Climax 300

- Climate control for medium-sized businesses
- Excellent price/quality/capacity ratio
- Easy to operate

Our 50 plus years of experience in environmental control means you get a reliable and first-rate climate computer



The HortiMax Clima 300 climate computer is a flexible and accurate environmental controller with high-grade control features. Since there are four basic models to choose from, the Clima 300 can fit the requirements of virtually any medium-sized operation. The computer can control the heating, ventilation and screens in up to 3 glasshouse blocks. If the needs of your business change later, you can add a second unit for new control features or increased capacity. The base units are interconnected by a bus system, so both can use the same outside climate sensors and only one weather station is required.

Listed below are the various models with the required weather and glasshouse climate sensors:

Type	Bl.	Controls	Weather station	Glasshouse climate
Clima 300 B1	1	Double-sided ventilation	Wind speed	RH
		Pip heating (2mix valves and pump control)	Wind direction	
		Hot air heating	Rainfall sensor	
		Screen	Pipe temp.	Temp.
Clima 300 B2-H	2	Double-sided ventilation	Wind speed	RH
		Hot air heating	Wind direction	
		Screen	Rainfall sensor	
			Outside temp.	Temp.
Clima 300 B2-W	2	Double-sided ventilation	Wind speed	RH
		Pip heating (1 valve and pump control for each block)	Wind direction	
			Rainfall sensor	
			Outside temp.	Temp.
Clima 300 B3	3	Double-sided ventilation	Wind speed	RH
		Hot air heating	Wind direction	
			Rainfall sensor	
			Outside temp.	Temp.

Sensors

Depending on the controls available, you'll need certain sensors (see table). All sensors are connected directly to the Clima 300 base set. Pt100 and NTC sensors can be used to provide the glasshouse climate measurements, such as the temperature and RH (relative humidity).

Operating the Clima 300

The rotary knob and push button on the front of the Clima 300 base set allow you to select the desired setting and adjust the corresponding parameter. All settings are saved in the Clima 300's memory. The integrated LCD display shows the setting number and set value, or the calculated or measured value

you've selected. All settings are listed with a clear description of each on an instruction card. This card is easy to attach to the front of the unit and is available in most common languages. The Clima 300 computers is configured, tested and programmed with a number of default settings prior to delivery. The Clima 300 can be installed and tested for the required functionality, in combination with the sensors present, before the unit is programmed.

Interface with Synopta

The Clima 300 computer can also be operated from a PC using the Synopta basic software package. This basic computer management software can be upgraded with various options, such as data storage.

Technical specifications

Housing:	Plastic. Dimensions: (HxWxD) 330 x 260 x 110mm
Power supply:	85-264 V AC, 47-63 Hz. Connected load: 45VA
Inputs:	Adjustable, e.g.: 0-20mV; 0-10mA; PT100; PT1000; NTC 10K; NTC 100K.
Outputs:	24 V DC, max. 100 mA.
Alarm output:	Potential-free contact

The Clima 300 can be fitted with a clock circuit board, which ensures that the system starts up with the correct time in the event of a power failure. The Synopta software package requires a PC or laptop to be connected to the Clima 300 base unit.