



Due to its innovative technology, it can be used for numerous applications, and it is very economical to run - only -98W/h of electrical input for 1kg of humidity. The adiabatic humidification principle receives energy from the warm air and cools the object to be humidified (cooling by evaporation) with simultaneous reduction of the operating time of the cooling units. Both factors ensure that UB1-4CT pays for itself in a very short time.

Operation

For easy programming and operation, the control parameters and configuration data are attributed to different levels. Foil keys provide easy operation. The two LED displays show the parameter icons and the respective values and make operation transparent.

Operation Level- Parameter Level-Configuration Level

Device Description

AIRWIN UB1-4CT is made of corrosion-resistant stainless steel. It is wired ready for operation ex works. Only water and electrical energy supplies must be provided on the spot. It comes with the safety devices thermal protection, overflow protection and dry running protection.

Control

The ultrasonic humidifier Airwin UB1-4CT starts and stops immediately when required. It can be operated by either a hygrostat or a built-in microprocessor control or by both. By using highly integrated technology the CTI microprocessor obtains extremely variable functionality and operating safety. The compact microprocessor controls type CTI with the front frame dimensions 48mm x 96mm (H/B) and pluggable control inserts are especially suitable for ultrasonic humidifiers. The controls can be programmed as two-point, three point or continuous control with the usual control structures. They also have two limit comparators that can be attributed to the input signals. 8 different limit comparator functions can be selected. A ramp function with adjustable gradients and auto optimization are available. A voltage output of 18VDC / 22mA for energy supply of the humidity transmitters is also included

Freely adjustable are the following:

- Control Settings (with auto optimization)
- Type of operating output
- Measuring transducer and control range
- Type and function of alarm contacts

Hygiene

Aqua Drain flushes the water supply lines, empties the water reservoir of the UB in cycles, empties the water reservoir after short periods of "non-humidification" and power failures. The compact ventilator only works on humidification request

Capacity Values

Model	Capacity (kg/h)	Voltage (V/Hz)	Electricity consumption (VA)	Weight (kg)	Measures H/L/W (mm)	Code
UB1CT	0,5	230/50	105	7,5	179,5/253/274	40104621
UB2CT	1,0	230/50	135	7,7	179,5/253/274	40104622
U83CT	1,5	230/50	165	7,9	179,5/253/274	40104623
U84CT	2,0	230/50	195	8,1	179,5/253/274	40104624