



DAS HERZ DER FRISCHE

SMART CONTROLLER

ELECTRONICS AND CONTROLS

FOR AIR HANDLING UNITS

CF-230-2 EN



LMC310i SMART

-  AIR HANDLING
-  SMART CONNECT APP
-  BEST SOFTWARE



LMC310i SMART CONTROLLER FOR AIR HANDLING UNITS

LMC310i SMART is a configurable, pre-programmed air handling controller. It is specially designed for various air handling units including rotary and crossflow heat exchangers, cooling and heating systems e.g.

LMC310i SMART ensures optimal indoor climate and optimizes your air handling unit to save time, cost and energy.

ENERGY EFFICIENT CONTROL

Optimized flow and pressure control, demand control and advanced heat recovery functions ensuring energy efficiency. Integrated data logging function provides historical data for advanced energy analysis.

» YOUR ADVANTAGES

- // Energy and cost savings through intelligent air flow and heat recovery control
- // Demand controlled air handling with CO₂-, humidity- and motion sensors
- // Alarm and event loggings for data analysis and troubleshooting
- // Intelligent ambient temperature control for optimal indoor climate

Technical specifications	
BITZER Electronics part no.	399000645
Size	185mm (l) * 110mm (w) * 61mm (h)
Power supply	110 - 230VAC 50-60 Hz +/-10%; typical 4 VA, max. 18 VA
Operating temperature	-20°C ~ +60°C
Storage temperature	-30°C ~ +60°C
Enclosure protection	IP20, pollution degree 2
Relative humidity	5% - 95%RH, non-condensing
Temperature inputs	11 for BITZER Electronics NTC sensors -40°C ~ +99°C; +/- 1°C accuracy
Analogue inputs	2, AI1 to AI2; 0-5V with 5 Volt supply for radiometric pressure transmitters; Rin: 25KOhm.
Digital inputs	4, not galvanically isolated; 0 – 3.3V with pull-up resistor
Analogue outputs	4, AO0 to AO3; 0-10V, +/- 3%, Rin > 10KOhm; max frequency 1Hz
Relay outputs	5; RE1 to RE4: 10A 24VDC / 10A 250VAC; max 250VAC isolation between relays RE5 is a toggle relay; NO: 10A 24VDC/10A 250VAC; NC: 5A 24VDC/5A 250VAC; max isolation 400VAC between relays
RS485 ports	2 with common 12V 80mA output; 1 used for display and 1 for future use
USB ports	1 device mode only for software update and communication with a PC
Real time clock	With 1 year battery back up
Datalog	1 year capacity
12VDC output	Up to 500 mA
Connectivity	Bluetooth v. 4.2 (classic + BLE), Wi-Fi 802.11 b/g/n

RELATED PRODUCTS

BITZER SMART CONNECT

Monitor and operate heat pumps remotely with BITZER SMART CONNECT cloud and app solution. Available for Apple iOS, Android, Windows and MAC computers.



TOUCH DISPLAYS

User friendly user panels with touch display and Wi-Fi functionality, specially designed for heat pump applications by our experienced interaction designers.