CONTROL UNIT

F21009301 MicroMax

Set of EMC-glands as an option

- User friendly
- Stable aluminium enclosure
- Compact build dimensions
- Input signal 0-10 V
- Remaining alarms
- CE-approved
- Two-year product warranty

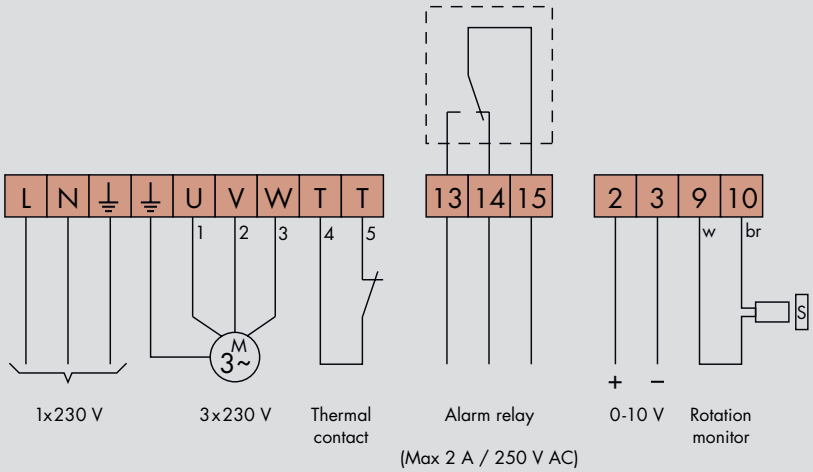
MicroMax, a series of control units for rotary heat exchangers. The control units combine small dimensions with large capacity and are very easily mounted and run.

MicroMax is intended for rotor diameters up to 1500 mm with a rotor speed of max. 12 rpm. If the rotor requires a faster rotor speed, the rotor diameter should be reduced.

All control units in the MicroMax-series are available as included components in any of our popular drive set.

IBC control

CONNECTION DIAGRAM



Description of functions

MicroMax is a series of modern control units with specific additional functions for an optimal run of a rotary heat exchanger.

Input signal 0-10 V — The speed of the heat exchanger and its efficiency is regulated steplessy by the control unit so that the speed of the rotor is in proportion to the input signal from the central control. If the input signal is below the set up threshold value, the rotor will stop.

Boost — Torque boost at low rpm.

Threshold value — Value, adjustable between 0-2 V.

Cleaning function — When the rotor has stopped for 30 minutes, the cleaning function is activated and the rotor rotates at minimum rpm for 10 seconds.

Rotation monitor — The rotation monitor stops the control unit and alarms if the rotor stops rotating. The control unit trips if it does not receive pulses every 5 minutes.

Other alarms — The control unit trips and alarms at over- or under voltage, short circuit or earth faulty as well as tripped thermal contact in the motor. All alarms are remaining.

Test — DIP-switches for manual run on low- or high speed.

Technical data

	MicroMax
Connection voltage	1x230-240 V, +/-15 % 50/60 Hz
Power input, max.	210 W
Input current, max.	0,9 A
External fuse, max.	10 A
Output voltage *)	3x0-230 V
Output frequency	5-100 Hz
Min. frequency	(Fixed) 5 Hz
Max. frequency	40-100 Hz
Motor output, max.	90 W
Motor current, max.	0,7 A

Overload 2 min/30 min	1,3 A
Internal fuse **)	2 AT
Acceleration time	(Fixed) 30 sec
Retardation time	(Fixed) 30 sec
Ambient temp. non condensing	-25 - +45 °C
Protection form	IP54
Weight	0,9 kg
Dimensions, HxWxD	158x165x60 mm

*) Exact value cannot be obtained with a digital measuring instrument
**) The fuse protects both motor and electronics