

F21037601 MiniMax



- User friendly
- Stable aluminium enclosure
- Compact build dimensions
- All existing input signals
- Remaining alarms
- CE-approved
- Two-year product warranty

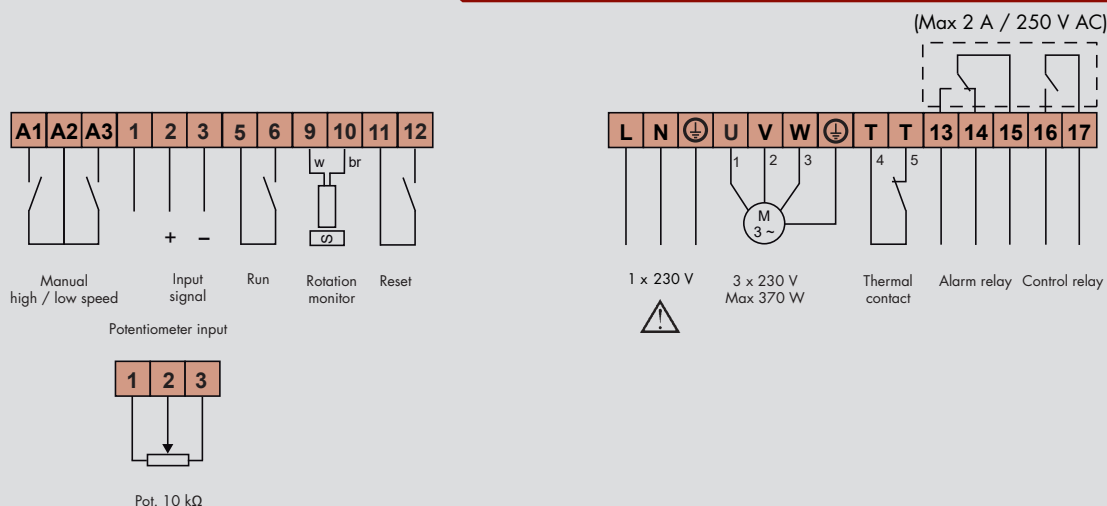
Set of EMC-glands as an option

MiniMax is the optimal control unit for all rotary heat exchangers. The popularity of the control unit has MiniMax won on its universal character, combining small dimensions with great capacity and flexibility.

MiniMax controls motors for rotor diameters up to 3500 mm with a rotor speed of max. 12 rpm. If the rotor requires a faster rotor speed, the rotor diameter should be reduced.

The control unit can handle all input signals currently used in the market. Having the MiniMax delivered as an included component in any of our popular drive set is a very cost efficient alternative.

CONNECTION DIAGRAM



Description of functions

MiniMax is a modern control unit with specific additional functions for an optimal run of a rotary heat exchanger.

All existing input signals

The speed of the heat exchanger and with that its efficiency is regulated stepless 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 been stopped for 30 minutes, the cleaning function is activated and the rotor rotates for 10 seconds at minimum speed.

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

MiniMax

Connection voltage	1x230-240 V, +/-15% 50-60 Hz
Power input, max.	650 W
Input current, max.	2,8 A
External fuse, max.	10 A
Output voltage*)	3x0-230 V
Min. frequency	5-20 Hz
Max. frequency	40-100 Hz
Motor output, max.	370 W
Motor current, max.	1,9 A

Overload 2 min/30 min	3,5 A
Internal fuse**)	4 AT
Acceleration time	0-30 sec
Retardation time	0-30 sec
Ambient temp. non condensing	-25 - +45 °C
Protection form	IP 54
Weight	1,2 kg
Dimensions, HxWxD	198x165x60 mm

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

Other data

Also available in 208 V-version