

Eura[®]
DRIVES



PUMP CONTROLLER EM30 FOR WATER TECHNOLOGY

- power range: 0,75kW - 2,2kW/ 1PH 230V 50/60Hz +/- 15%
- power range: 0,75kW - 11kW/ 3PH 400V 50/60Hz +/- 15%
- ALU-mounted housing IP66

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The pump - motor controller EM-30

with plain text display and keyboard, build housing is built with regulated for the operation of 1 frequency pump in IP66 ALU.



Technical specifications:

Specifications

ALU-mounted housing IP66

Inverter with 50% / 1 min Reserve

Radio noise filter C1 + C2

PTC connection

Mode selection buttons

2x Dig. Inputs

2x Relays Outputs

1x transducer inputs 0-10V / 0-10bar

(1x transducer inputs 4-20mA)

Active ventilation Series

without transducer, (Accessories)

Example EM30 with standard pump or vertical pump motor:



Ease for installation



Simple operation with single text menu



The system is protected by password



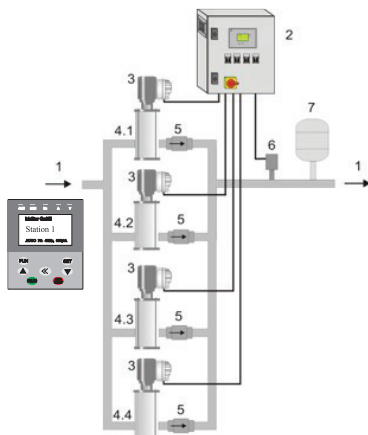
Comprehensive monitoring functions



Power range:
0,75kW - 2,2kW / 1PH 230V
50/60Hz +/- 15%

Power range:
0,75kW - 11kW / 3PH 400V
50/60Hz +/- 15%

Construction scheme of a multi-pump system with 4x EM30

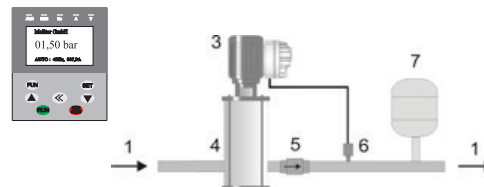


Power range: 1 x 0,75kW – 11kW

Feature

- Freely programmable pump controller with keypad and backlit text display
- Display for all operational messages, setpoints and commissioning values
- Two adjustable digital inputs
- Two adjustable relay as changer
- As standard thermistor input
- Speed control system for 1 pump
- Adjustable Multi mode for operation 2- 6 EM30-inverter controllers on MARH regulator
- Password protection
- Connection for one transducer 0..10V or one transducer 4..20mA
- Adjustable PI controller for fast pressure regulation
- Adjustable zero flow cutoff for switching off the pump to "Standby"
- Manual mode with adjustable fixed speed for the emergency supply in case of sensor failure
- Adjustable leakage monitoring
- Adjustable electronic dry run protection
- Adjustable Electronic pressure monitoring
- Sensor monitoring with emergency transfer to fixed speed
- Adjustable operating mode
- PM mode for IE4 motors
- Adjustable motor characteristic
- Einstellbare Motorkennlinie
- Error memory
- Temperature dependent fan control

Construction scheme of a single plant with EM30:



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