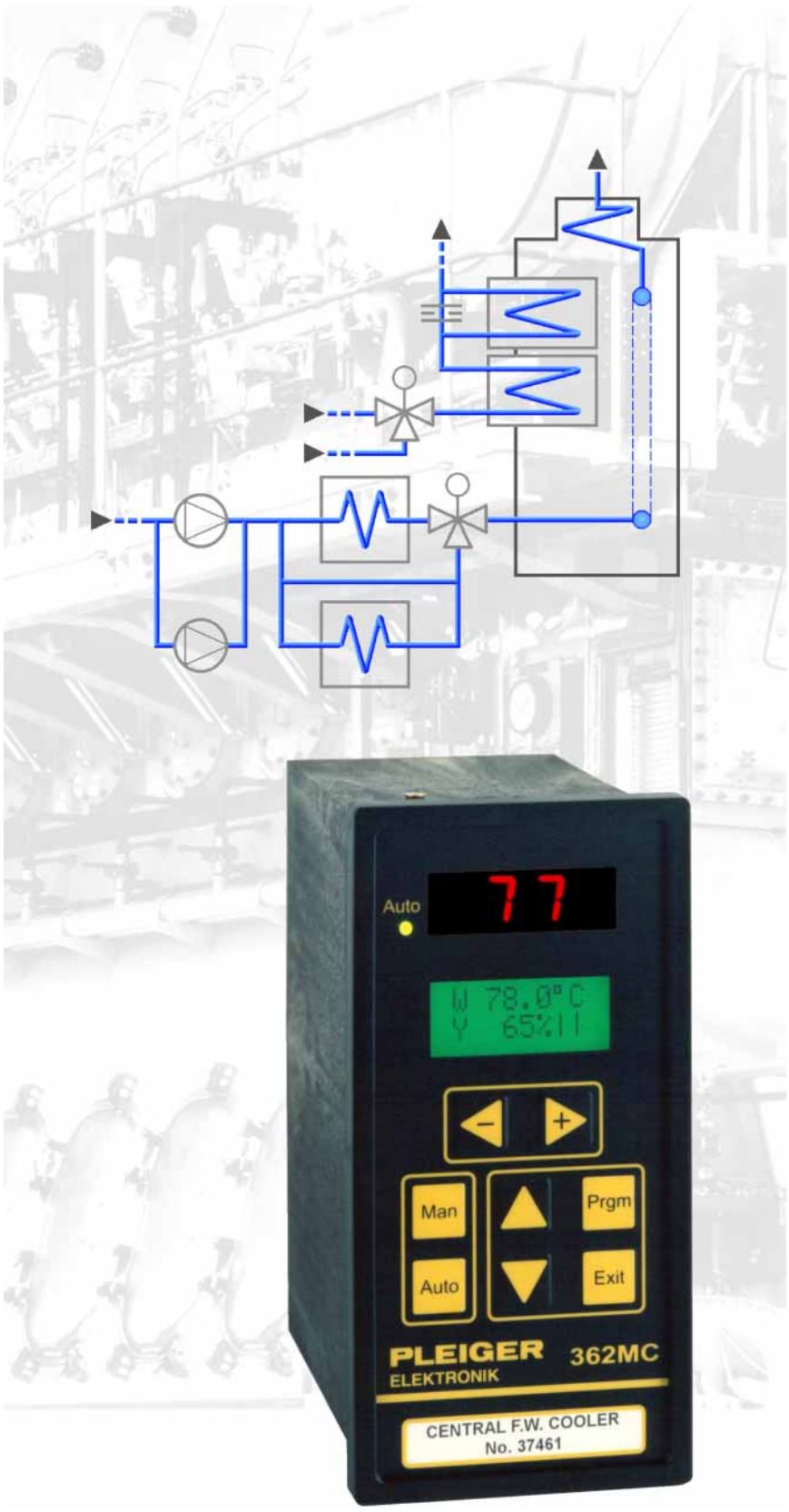
PLEIGER ELECTRONICS

Universal PID - controller



362MC

- two seperate multi-point or continuous controllers
- modular structured microcontroller hardware
- efficient, additional software functions
- easy-to-understand menu guided operation
- freely selectable process data display
- adjustable parameter profiles for many applications
- software-independent backup operation
- diagnosis and field bus interface
- type approved and certified by the majority of ship classification companies

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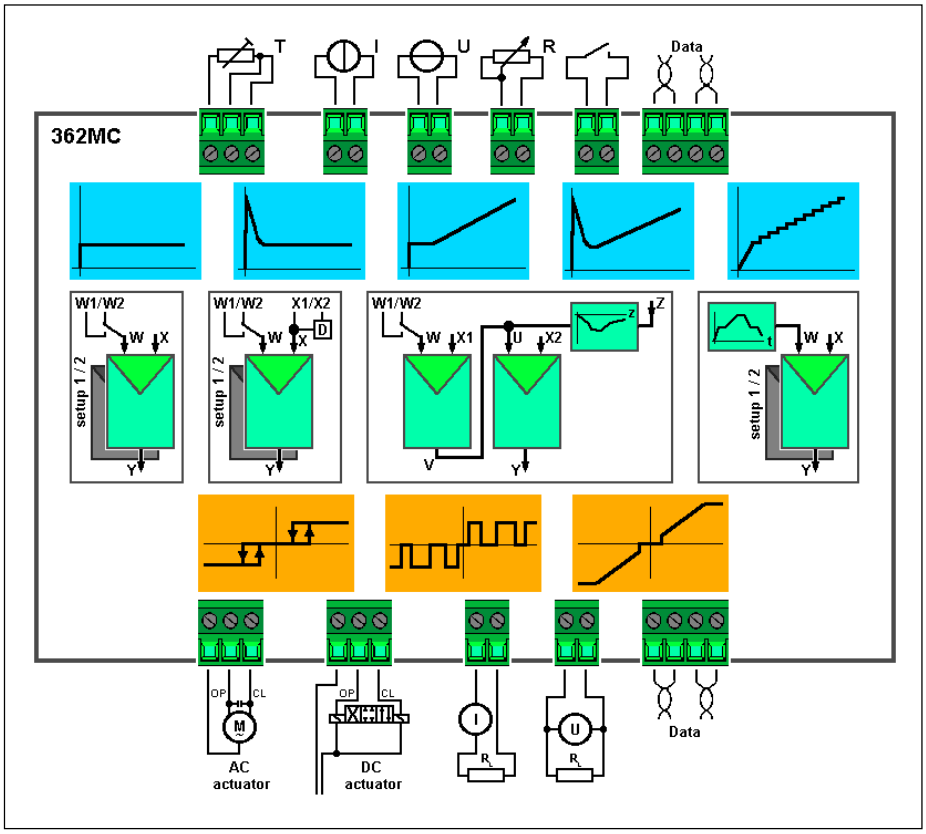
Universal PID - controller 362MC

Electronic controllers have been developed, produced and supplied by Pleiger to different industrial sectors for more than 30 years. As an example, Pleiger controllers are used successfully in important control loops on more than 2000 ships. The application-related functionality of the 362MC also bases on this experience.

Controlled by the parameters, the structure of both efficient 362MC software controllers is adapted to the respective task setting. Adjustments are possible from the simplest P-controller to the PI, PD, PID or even PID cascade controller, selectively with switching output, multi-point output or continuous output.

Assisted by parameter profiles, all parameters for an application can be pre-adjusted in just one step.
The connection and system fault alarm simplifies commissioning and troubleshooting.

One of the 362MC characteristics is simple operation by sensibly grouped keys, supported by an efficient, multi-language operator guide with clear texts.



The use of industrially proved micro-electronic components in connection with the most modern production procedure guarantees that the 362MC has the same robust standard that a Pleiger controller customer can rightly expect.

The backup operation and actual value display integrated within each 362MC and independent of the microcontroller, provide the user with the minimum required function even if there is a fault on the equipment.

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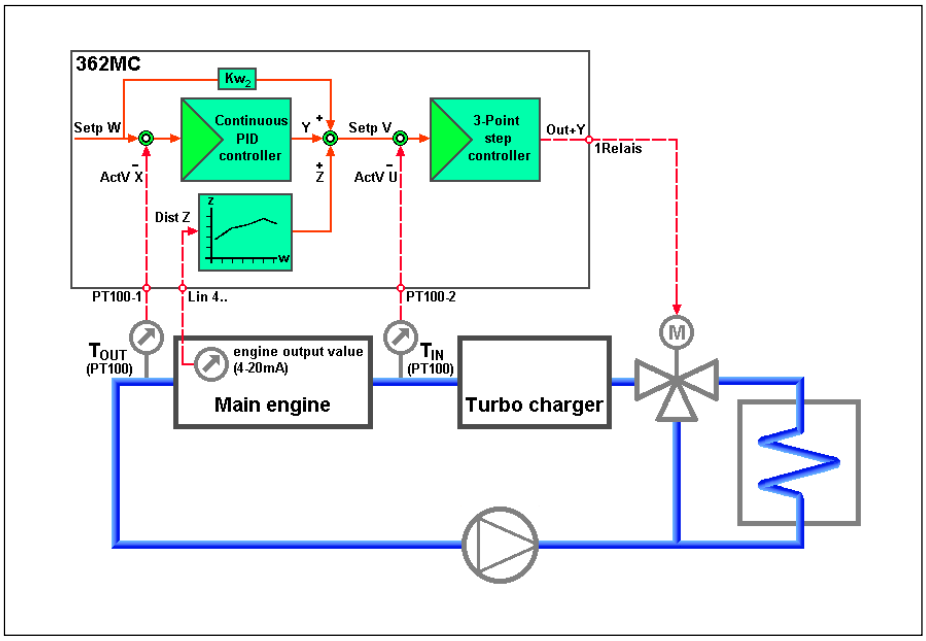
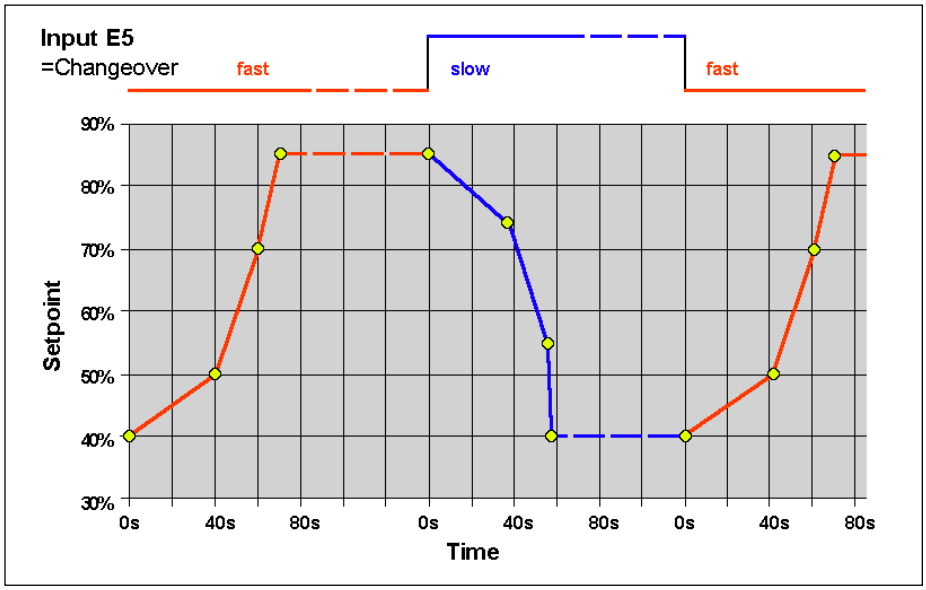
Universal PID - controller 362MC

The 362MC also offers adapted solutions to complex controlling tasks on particularly problematic controlled systems, e.g. by means of optional function extensions like trend compen-sation or disturbance feed forward control.

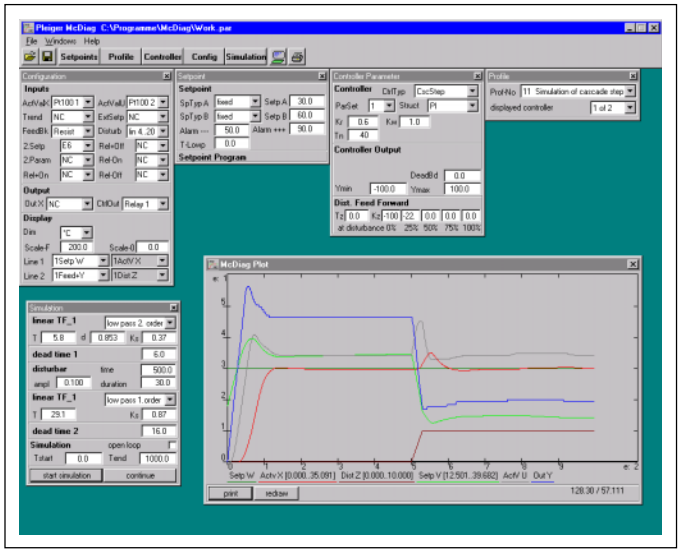
As optional function extension ‘set point programme’, a time schedule programme is connected before both controllers of the 362MC. They take on the control of the timed set point and ensure the gradient controlled transition between stationary states. This means, for example, that the 362MC can be utilized for tool heating, process autoclaves or air conditioning engineering without additional control modules.

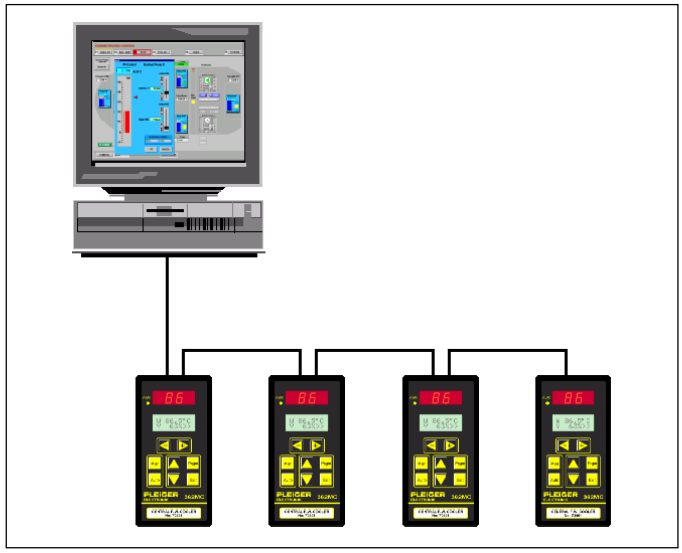




Commissioning and diagnostic tasks are supported efficiently by the service interface (RS232) with front access and the Pleiger PC service programme McDiag (runs on Windows95/NT4.0). The adjustment documentation is simplified considerably by this.

The optional communications interface (RS485 or RS422) using field bus standards (MODBUS) offers an easy method of coupling the 362MC controllers to central monitoring and control systems.





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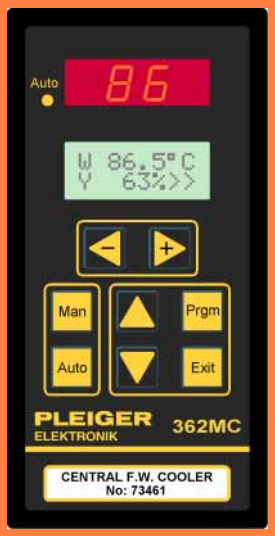
Universal PID - controller 362MC

Delivery configurations

Functional extension Setpoint programme		Hardware extension communication interface RS 422	
Functional extension Disturbance compensation	Special version Power supply U_E = 115 V-AC	Hardware extension communication interface RS 485	Special adjustment LED-Display with 3½ digits (Solution 0,1°C or 0,1%)
Standard functions for 1 or 2 controllers > 2-Point controller > 3-Point controller > 3-Point step controller > Cascade step controller > Continuous controller	Power supply U_E = 230 V-AC	without communication interface	
		1st Linear input PT100 Measuring range 0-200°C	Special version 1st Linear input PT100 Measuring range 0-500°C Special version 1st Linear input 4-20mA Measuring range 0-100%
Controller 362MC Standard configuration		2nd Linear input PT100 Measuring range 0-200°C	
		3rd Linear input 0(4)-20mA Measuring range 0-100%	Special version 3rd Linear input 0-10V Measuring range 0-100%
Service interface RS 232		4th Linear input resistance input Measuring range 0-200R	
Alarm relais 1 x change contact floating		6 x Binary inputs as logical inputs for floating contacts	Special version 6 x Binary inputs for 24 V-DC signals
1st relay set with U_E = 230/115 V-AC connected contacts	without 2nd relay set	without Linear outputs	
Special version 1st relay set with floating contacts	Hardware extension 2nd relay set with U_E = 230/115V-AC-contacts	Hardware extension Linear outputs 2 x 0(4)-20mA	
	Hardware extension 2nd relay set with floating contacts	Hardware extension Linear outputs 2 x 0-10V	Controller 362MC special configurations and extensions (additional configurations on request)

Please identify the required configuration for your quotation enquiry by marking the appropriate boxes [X] shown above. Please let us have additional information such as your address, required quantity, delivery time, etc. by fax or e-mail.

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