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JUMO diraTRON 104/108/116/132

Compact controller

Brief description

The controller series comprises five freely configurable, universally usable compact controllers in various DIN formats to control temperature, pressure, and other process variables.

The devices are characterized by a simple, clearly structured operation supported with texts. Process values and parameters are represented by two 16-segment LCD displays. The types 702112, 702113 and 702114 are additionally equipped with a pixel matrix LCD display for displaying text. In addition, all devices have individual display elements for the switch positions of the outputs, as well as for manual mode, ramp function, and timer. The devices are operated using a membrane keyboard with four buttons and can be used under harsh environmental influences thanks to the high IP65 protection type.

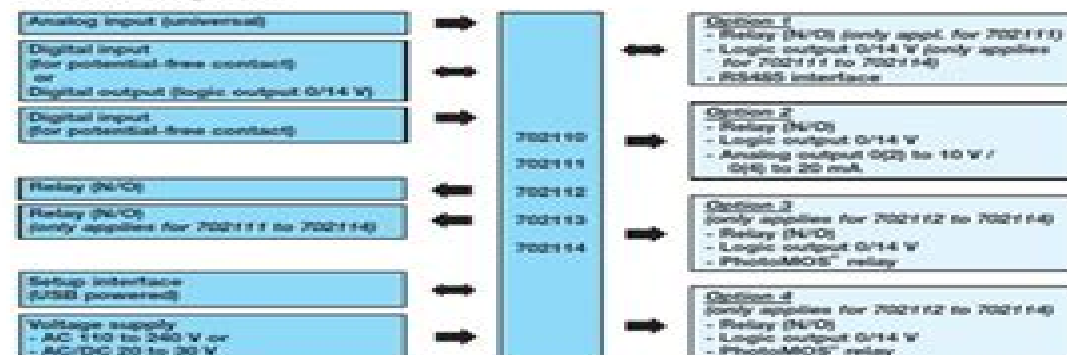
Depending on the hardware design, the devices can be used as two-state controllers, three-state controllers, three-step controllers, or continuous controllers. The basic type includes autotuning, a ramp function, a program controller, manual mode, limit value monitoring functions, digital control signals, extensive timer functions, and a service counter. A math and logic function is also available as an option. Furthermore, the user has the option to create his/her own application using structured text (ST code).

The devices can be conveniently configured using a PC with the help of the setup program (incl. program editor and ST editor). No separate voltage supply is required when configuring via the USB interface (USB-powered).



diraTRON 104 / type 702114

Block diagram



Approvals/approval marks (see "Technical data")

Special features

- Fixed setpoint controller or program controller
- 2 parameter blocks
- Autotuning
- Setpoint changeover (4 setpoint values)
- Ramp function
- Timer function
- 4 limit value monitoring functions
- Service counter
- Individual user level
- Own application using structured text (ST code; option)
- Math and logic function (option)
- Fast wiring through Push-In technology
- RS485 interface (option)
- Additional analog and digital inputs via RS485 interface

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