JUMO DICON touch

Two-channel/Four-channel process and program controller

The features at a glance

- ④ Four-channel controller for connecting different processes

- ④ Implementation of a large number of automatically controlled processes

- ④ Sustainable data acquisition and archiving of process data through integrated recording function

- ④ Reduction of an additional recorder

- ④ Implementation and visualization of time-controlled processes via 32 user programs

- ④ Simple operation due to the individual layout of 4 process screens

Type 703571

Other advantages

- Fast access to process values
- Simple individualization through user editable controller screens
- 1 device for several control zones, visualization of 4 processes in 1 device
- Compact, space-saving plant design
- Implementation of complex control tasks
- Extensive storage of user programs
- Implementation of different processes
- Integrated recording option for up to 8 analog and 6 digital values
- Extensive visualization possibilities
- Individual adaptation of the controller screen

Brief overview

The 4-channel process and program controller with touch display and recording function performs complex control tasks. Process screens that the user can create allow the plant to be visualized and operated. The device has a modular design so that it can be adapted to the individual plant.

All Ethernet applications that have already been integrated are also available with PROFINET. These include evaluation of the recorded data, the setup transfer, and the web server functionality with online visualization. The certification of the product proves its conformity with the PROFINET standard and its compatibility with devices from other manufacturers.

Application areas

- Test and heating cabinets, air-conditioning and simulation cabinets, incubators, autoclaves, dryers, sterilizers, heat transfer oil plants, test benches
- Industrial furnace construction, plastics industry, plant and mechanical engineering, food and beverage industry, pharmaceutical and chemical industry, shipbuilding industry, etc.

Technical data

Designation	JUMO DICON touch
Data sheet	703571
Display	3.5 TFT color graphics screen, 1/4 VGA, 256 colors with resistive touchscreen
Controller types	Two-point/three-point/three-step controller, continuous controller, continuous controller with integrated position controller
Controller structures	P, I, PD, PI, PID
Sampling rate	150 ms
Inputs	4 universal analog inputs, 8 external analog inputs, 7 digital inputs, 8 external digital inputs
Outputs	Max. 12 internal outputs, depending on hardware configuration • Relay (changeover contact/normally open contact) • Digital output 0/12 V or 0/24 V • Solid state relay AC 230 V, 1 A • PhotoMOS® relay DC 45 V, max. 200 mA, AC 30 V, max. 200 mA • Analog output 0/2 to 10 V, 0/4 to 20 mA • Expansion with an external relay module (8 relays, 1 changeover contact 3 A/250 V), or expansion with an external digital module (8 digital outputs 0/12 V, 20 mA)
Paperless recorders	2 recording views with 4 analog values and 3 digital values each, memory cycle 1 to 3 600 s
Interfaces	USB host, USB device, RS422/485 Modbus master/slave, PROFIBUS DP, Ethernet, PROFINET RT
Housing	Dimensions: 96 mm × 96 mm × 131 mm Protection type: IP66, Cube: metal
Approvals	cULus, DIN EN 14597, DNV GL

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