OneTemp pty ltd
measure | control | record

JUMO

JUMO DICON touch

Two-channel process and program controller with paperless recorder and touchscreen

Universally specialized

- Precise control of two processes
- High level of process reliability through password-protected user management
- Integrated paperless recorder
- Process screen display for plant visualization
- Field connection via various interfaces (e.g. PROFINET)
- Secure and quick data exchange in real-time communication
- Parallel use of PROFINET communication and Ethernet applications

PROFI NET ®

Type 703571

Brief overview

In addition to the existing RS422/RS485 Modbus RTU, Ethernet, and PROFIBUS-DP interfaces, the JUMO DICON touch can now be connected to and communicate with a PROFINET controller. For this purpose the process and program controller uses a PROFINET interface with an integrated two-port switch. As a result, simple line structures can be set up.

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. Product certification guarantees conformity with the PROFINET standard and compatibility with components from different manufacturers.

The modular hardware concept of the JUMO DICON touch enables a high level of flexibility that makes it suitable for a wide variety of applications. Four analog universal inputs for connecting to resistance sensors, thermocouples, standard signals, and up to eight external inputs are able to record a variety of physical measured values with high precision.

Application areas

Industrial furnace construction, testing and heating cabinets, environmental and simulation chambers, incubators, autoclaves, dryers, sterilizers, heat transfer oil systems, plastics industry, plant and mechanical engineering, test stations, food and beverages industry, pharmaceutical and chemical industry, on ships, etc.

OneTemp pty ltd
measure | control | record
1300 768 887
www.onetemp.com.au

Technical data

Description	JUMO DICON touch
Data sheet	703571
Display	3.5 TFT color graphics screen, 1/4 VGA, 250 colors with resistive touchscreen
Controller types	Two-point, three-point, three-state, 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: relay (changeover contact / N/O contact), digital output 0/12 V or 0/24 V, solid state output 1 A, analog output 0/4 to 20 mA or 0/2 to 10 V (expansion via external modules)
Paperless recorder	4 analog values, 3 digital values, cycle time 1 to 3600 s
Interfaces	Standard: USB host, USB device, RS422/485 (Modbus RTU) Optional: Ethernet with web server, PROFIBUS-DP, PROFINET, second RS422/485 (Modbus RTU)
Housing	Dimensions: 96 mm x 96 mm x 131 mm Protection type: IP66, metal cube
Approvals	cULus, DIN 14597, GL

PR 70095 EN/00598418/2016-04-14/V2