

JUMO meroTRON Handles It! Modular one-channel/two-channel controller with PLC function for the digital future

The multifunctional JUMO meroTRON controller impresses with the individual design of its user interface and flexible hardware equipment. This way, analog as well as digital inputs and outputs, counting inputs, and interfaces can be added as required. The controller masters even complex applications with a second control channel, math and logic functions, and the implementation of control functions via ST code.

The JUMO meroTRON controller takes the concept of the successful JUMO dTRON series into the future with a completely new product. The controller has a customizable device menu for user-friendly integration into a wide variety of applications. Operation, configuration, parameterization, and process information are user-friendly through plain text in 4 languages. Quick startup is possible through PUSH IN terminal technology.

Scalable hardware with Plug and Play functionality ensures the greatest possible planning reliability. Users can expand the connection options independently via optional plug-in cards. For example, versions with up to 14 digital inputs, 5 analog inputs, or 10 relay outputs are available. Calibration of the analog inputs according to CQI-9 and AMS2750 is an optional extra.

When it comes to communication JUMO meroTRON is optimally prepared for future challenges as it features PROFINET, Ethernet, and RS485 (Modbus master/slave for TCP and RTU) along with Bluetooth as well as USB host and device.

It can be used as a two-state controller, three-state controller, modulating controller, position controller, continuous controller, and program controller with real-time clock. An integrated data logger can be used to record 4 analog and 4 digital values. JUMO meroTRON is available in 4 different housing formats.

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Photo: JUMO

Image caption: The JUMO meroTRON controller can be customized to user requirements using plug-in cards.

The JUMO corporate group, headquartered in Fulda, employs more than 2400 people worldwide and is one of the leading manufacturers in the field of industrial sensor technology and automation. JUMO products are used around the globe in industries such as heating and air conditioning, food and beverage, renewable energies, and water and wastewater. The corporate group encompasses 5 branch offices in Germany, 25 subsidiaries in Germany and abroad, and more than 40 agencies around the world. The company posted a turnover of 238 million euro in 2020.