



FLEXIBLE SMART AUTOMATION

TROVIS 6611-2
Control and Automation Unit

CUSTOMIZABLE CONTROL



TROVIS 6611-2 is a compact, scalable control unit for turnkey and customized applications.

The intuitive menu structure allows complex technical interactions to be displayed clearly on the touch screen or over the integrated web server.

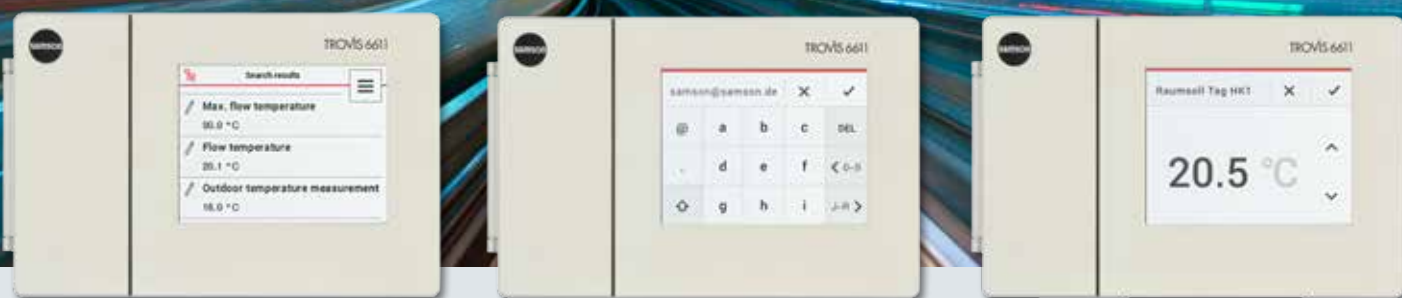
Maximum security is ensured by various user roles and access over secure connections. A USB flash drive is all that is needed for fast, effective start-up.

- Flexible control of small-to-large plants
- Ideal for HVAC and district energy projects
- Use of standard applications
- Extensive application library for customization

- Customized readings depending on the user
- Color touch screen display



OPERATION AND CONTROL



Easy start-up

- Load and save applications on a USB flash drive
- Start-up possible without a computer
- Data backup after start-up
- Module assignment at the touch screen display
- Manual override of all inputs and outputs
- No expensive special peripherals required
- Firmware update via USB

Operation and visualization

- Web visualization over web server (HTML5)
- Web visualization and on-site operation with the same setup
- Additional simultaneous access over computer, smartphone, or tablet computer
- Manual operating level independent of the application
- No additional license fees
- Clearly structured menu navigation

Technical data

- 3.5" color touch screen display
- 2 USB ports
- Modbus TCP/RTU (master or slave)
- OPC UA server
- MQTT and MQTTS client
- I/O bus for external modules
- 24 V AC/DC
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- External I/O modules**
- Inputs: 0 to 10 V, 0/4 to 20 mA, binary, Pt 1000, 0 to 2000 Ohm
- Outputs: 0 to 10 V, binary



PROJECT MANAGEMENT



Easy programming

Function blocks, which represent entire parts of a plant, enable users to implement plants without the need for extensive programming skills. Entire projects are set up with the use of a few function blocks.

Easy plant visualization

The graphical project management tool developed by SAMSON allows users to program customized applications and create plant visualizations. Users can apply automatically generated text for the plant structure and add customized graphics for menu navigation. Text and graphics are automatically scaled for display in a web browser on a computer or smartphone.

Easy connection to the cloud

The control and automation unit can be easily connected to cloud platforms (e.g. SAM DIGITAL, SAP, ERP etc.) using the interfaces and protocols it already uses. Modern cloud-based solutions, such as SAM DIGITAL, give you access to all key data over the Internet for further processing, analysis or monitoring. Processes can be automated and controlled using IoT platforms. Installation is made much easier.

Further information on SAM DIGITAL can be found on our website.

Open communication

The automation unit can communicate with other components, systems, installations, or cloud-computing providers, e.g. SAP S/4HANA, as well as make data available for remote access over BACnet IP, OPC UA, MQTT, or Modbus RTU/TCP.

Documentation

The system automatically generates assignment and parameter lists, applications, and menu navigation structures.



DATA SECURITY AND ALARM NOTIFICATION



Increased data security through management of user privileges and through secure data transmission over fieldbus systems and secure remote access over the Internet.

Data security standards

Data can be viewed from anywhere at all times and protected against unauthorized access.

Benefits

- Security protocols: SSL, SSH, HTTPS etc.
- Individual password assignment
- VPN capable
- AES-256 encryption for Modbus

User groups

When logging on, users or user groups only have access to data they are permitted to see.

Benefits

- Access to data depending on the user group
- Restricted access privileges
- User administration

Trends, audit trails, alarm notification

Changes by users are logged over time. This information forms the basis for data logging, the search function, fault analysis, and alarm notification.

Benefits

- Traceability
- Verification
- Data logging using USB
- Fault analysis
- Alarm notification by e-mail or text message



SAMSON AT A GLANCE

STAFF

- Worldwide 4,000
- Europe 3,300
- Asia 500
- Americas 200
- Frankfurt am Main, Germany 1,600

MARKETS

- Chemicals and petrochemicals
- Power and energy
- District heating and cooling, building automation
- General industry
- Industrial gases
- Food and beverages
- Metallurgy and mining
- Oil and gas
- Pharmaceuticals and biotechnology
- Marine equipment
- Water and wastewater
- Pulp and paper

PRODUCTS

- Valves
- Self-operated regulators
- Actuators
- Valve accessories
- Signal converters
- Controllers and automation systems
- Sensors and thermostats
- Digital solutions

SALES SITES

- More than 50 subsidiaries in over 40 countries
- More than 200 representatives

PRODUCTION SITES

- SAMSON Germany, Frankfurt, established 1916
Total plot and production area: 150,000 m²
- SAMSON France, Lyon, established 1962
Total plot and production area: 23,400 m²
- SAMSON Turkey, Istanbul established 1984
Total plot and production area: 11,053 m²
- SAMSON USA, Baytown, TX, established 1992
Total plot and production area: 9,200 m²
- SAMSON China, Beijing, established 1998
Total plot and production area: 10,138 m²
- SAMSON India, Pune district, established 1999
Total plot and production area: 18,000 m²
- SAMSON Russia, Rostov-on-Don, established 2015
Total plot and production area: 5,000 m²
- SAMSON AIR TORQUE, Bergamo, Italy
Total plot and production area: 27,684 m²
- SAMSON CERA SYSTEM, Hermsdorf, Germany
Total plot and production area: 14,700 m²
- SAMSON KT-ELEKTRONIK, Berlin, Germany
Total plot and production area: 1,060 m²
- SAMSON LEUSCH, Neuss, Germany
Total plot and production area: 18,400 m²
- SAMSON PFEIFFER, Kempen, Germany
Total plot and production area: 35,400 m²
- SAMSON RINGO, Zaragoza, Spain
Total plot and production area: 18,270 m²
- SAMSON SED, Bad Rappenau, Germany
Total plot and production area: 10,370 m²
- SAMSON STARLINE, Bergamo, Italy
Total plot and production area: 26,409 m²
- SAMSON VETEC, Speyer, Germany
Total plot and production area: 27,090 m²



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