

Compact Versatility for universal process control applications

**Universal Controller eCONTROL Type 8611**



**bürkert**  
FLUID CONTROL SYSTEMS

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- Universally usable
- Can control electric and pneumatic actuators
- Highly compact
- Designed for flow, pressure, temperature, pH value, conductivity and level control

## High-Tech Made Easy

The new universal controller eCONTROL Type 8611 brings an essential advantage for control variables like flow, temperature, pressure, pH value, conductivity and level in both pneumatic and electric systems: installation at its easiest. And this with the highest functional reliability in the system. It saves money, as it is optimally matched to the sensors and control valves supplied by Bürkert. Installation and commissioning can be completed at lower costs, while at the same time a higher product quality is achieved, thanks to the use of components all produced by the same company.



Version for fittings assembly

### That's What We Call Versatility

Innovation is introducing something unique. With the universal controller Type 8611, this uniqueness is versatility.

#### For Assembly:

Direct mounting onto the flow sensor, onto a wall or a DIN rail, onto a solenoid control valve or onto a control cabinet.

#### For the Sensor Inputs:

PT 100, frequency, 4 to 20 mA or 0-10V

#### For the Valve Variants:

Solenoid proportional valve, process control valve or motorized actuators with a 4 to 20mA control signal

### Universality Makes Progress

Our high-tech can already be used successfully with heat exchangers, injection molding, die-casting and thermoforming machines. Other possibilities remain open. With the choice between cascade control and non-cascade control for example. Or by using predefined controller structures already provided for flow, pressure and temperature control loops. Altogether that means: Simplification, functional reliability and cost savings.



Wall mounting or rail mounting



Control cabinet mounting

### Systematic Forward Movement

For application in the system, our controller convinces with the following features:

- It is combinable with all Bürkert sensors and control valves.
- Thanks to integrated flow detection, it can be used in direct conjunction with the flow sensor.
- It is also available in versions for wall or DIN rail mounting.
- It allows the internal hardware and software to be designed as an open system.



### Technical Data

#### CONTROL STRUCTURES

Continuous control, 2-state control, 3-state control

#### SENSOR INPUTS

4 to 20 mA, 0-10V, PT 100, frequency

#### PROCESS VALUE OUTPUT

4 to 20 mA, 0-10V

#### CONTINUOUS CONTROL

4 to 20 mA, 0-10V, PWM

#### QUASI-CONTINUOUS, ON/OFF CONTROL

PTM, On/Off

#### MISCELLANEOUS

- Dual temperature/flow rate display
- Binary input for Start/Stop/Open/Close/Safe Position
- Binary outputs for alarms, status messages or 2-state control



Multi-channel temperature control with flow input and dual process value display for flow rate and temperature.