



# SAUTER flexotron<sup>®</sup>800

Configurable, powerful and with communication capability.  
Heating, ventilation and air-conditioning controller for complex applications.



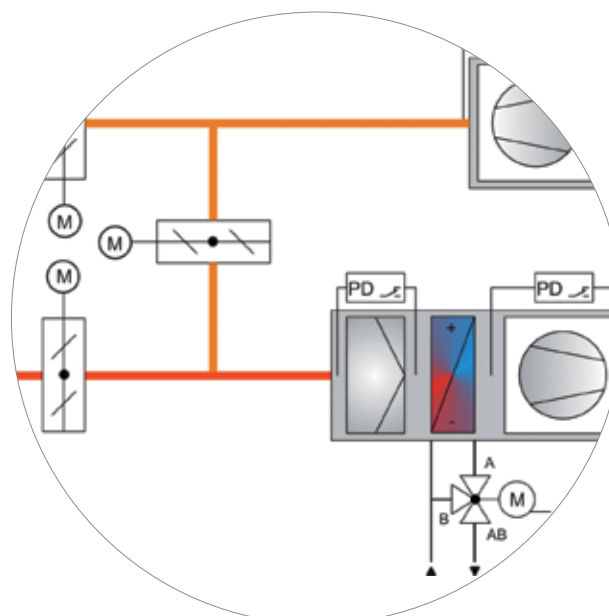
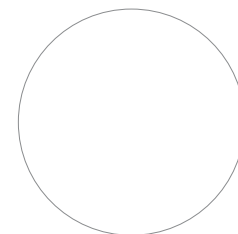
## The perfect solution for small and medium-sized installations.

### **Extensive experience and high level of expertise for energy efficiency and comfort.**

SAUTER has been dealing with measurement and control technology for over 100 years and is now the leading provider of building automation systems for complex installations. Our solutions provide a high degree of energy efficiency and protect the investment. This expertise in heating, ventilation and air-conditioning technology is now available in the SAUTER flexotron®800 for medium-sized installations and more complex applications.

### **Compact and flexible**

The SAUTER flexotron®800 meets the highest demands placed on a stand-alone controller. Its wide range of functions and easy configurability enable the unit to be used flexibly in many different applications. It can be used on its own or as part of a network. Because of its daily, weekly and annual switching programmes and its communication options via Modbus or the web, the controller can be easily matched to the respective application.





## Easily configurable and with a wide range of functions.

### Wide range of functions and applications

Consultants and ventilation engineers appreciate the easy configuration of the SAUTER flexotron®800, as it offers the required flexibility without any programming work. SAUTER flexotron®800 excels in the following applications:

- Constant supply-air temperature control in workshops, factories, store rooms
- Return-air (room)/supply-air temperature cascade control in restaurants, kitchens, sport halls, shopping centres etc.
- Return-air (room)/supply-air temperature cascade control with humidification for warehouses, office buildings, exhibition rooms etc.
- Weather-dependent flow-temperature control for systems with a large number of separate zones, such as an office building

### Additional functions

- Summer and winter shift
- Frost protection function
- Fan control using single- or dual-speed motors or variable-frequency drives
- Night cooling, energy recovery
- Humidity or enthalpy control
- Sequence for heating/cooling, plus additional sequences







### **User-friendliness and openness.**

Ability to change parameters, handle alarms, read values using the menu on the display or via the graphic interface of the SAUTER CASE flexotron® software. The settings and adjustment options can be controlled with access rights.

Whether you are communicating with the controller directly or via the internet, all the information is easy to read on the screen (even in dark rooms thanks to illumination). The SAUTER flexotron®800 speaks 20 languages, so it is easy to operate and make settings in the local language.

The SAUTER flexotron®800 can be linked to your network with Modbus via RS485 or with an integrated web server via TCP/IP. The web solution provides control and monitoring – as well as ability to track status, events and alarms – via the internet.

# One concept for any requirement.

## Easy to install put into service

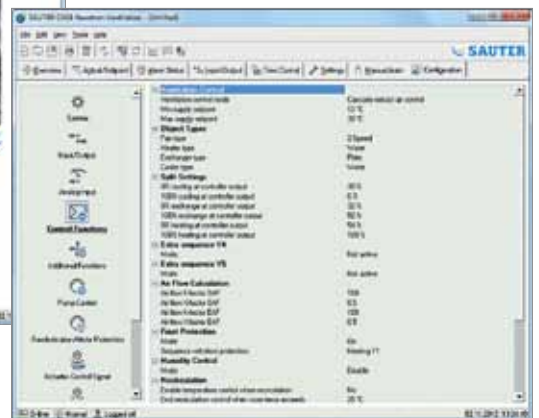
The SAUTER flexotron®800 can be installed in no time: just fit it to a DIN rail or, using the front mounting kit, in the cabinet. The controller can be configured quickly thanks to the pre-configured applications. The required settings can be made in an instant using the navigation buttons and the clear display.

Adjustments can be made even more conveniently and quickly using the SAUTER CASE flexotron® software on your computer. This provides:

- Access to all the control functions and current values of the inputs and outputs
- Operation, service and troubleshooting menus
- Engineering and configuration offline, and without the device
- Ability to copy settings from other controllers
- Ability to add one's own alarm descriptions

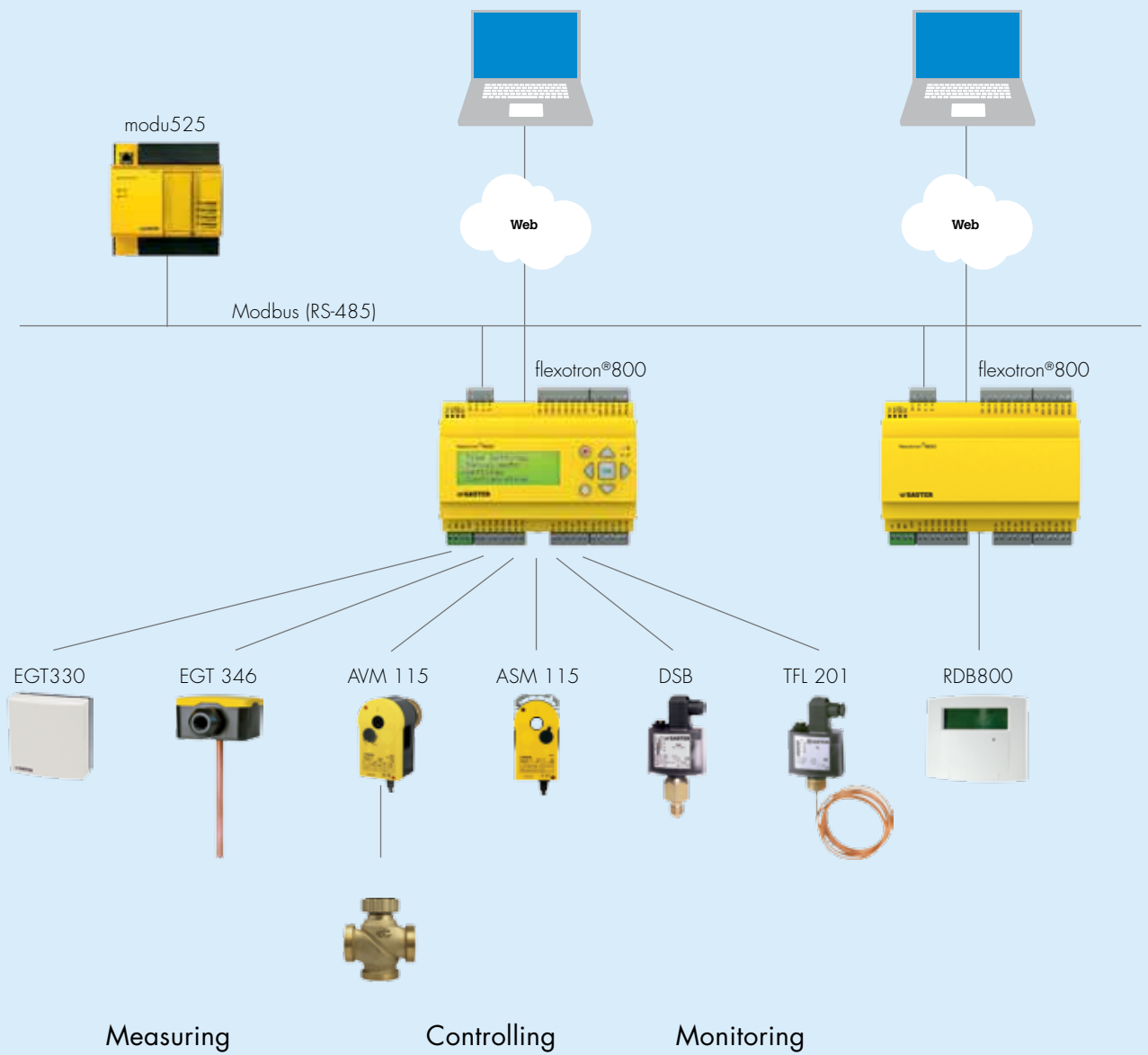


Convenient operation, clear displays and many functions result in fast and smooth operation.



The tool functions are clearly set out and provide fast and easy access to the configuration.

# The centre of many applications.



**Make the most of our expertise and experience.**

SAUTER has been an expert in measuring and control technology for over 100 years. We've always made it our business to reduce installation and operating costs and to optimise energy consumption. Because of its many functions, the SAUTER flexotron®800 is versatile, economical and energy-efficient.

**The advantages of the SAUTER flexotron®800 at a glance:**

**How you benefit:**

+ Wide and versatile range of functions for ventilation, air-conditioning, heating and boilers	▶ Simplified, reduced support and less training requirements
+ Configurable devices can be easily adapted to the application	▶ Flexibility without need any programming knowledge
+ Access to parameters and settings via buttons and a large, illuminated display	▶ Convenience for fast and safe operation
+ Display with more than 20 languages available	▶ Easy to operate; fewer operating errors
+ Configuration tool with wide range of functions on PC	▶ Time-saving and convenient
+ Monitoring functions for frost, ventilation and motor protection	▶ Safety during operation
+ Comprehensive alarm function with alarm grouping, own designations and individual responses	▶ Flexible and can be adapted to the application
+ Integrated communication with Modbus in all devices or as a version with web server via TCP/IP protocol	▶ Integrated solutions and security of investment
+ Hardware version without integrated display, optionally with operation via external display	▶ Solutions optimised with regard to costs and functions



### Technical data

Power supply	24 V~ ±15%, 50...60 Hz or 21...36 V=
Power consumption	10 VA, 4 W, web models: 12 VA, 5 W
Ambient temperature	0...50°C
Room humidity	Max. 95% rel. humidity
Type of protection	IP20 (when installed)
Memory backup	Integrated battery with long lifetime and long-term storage of all settings
Display	Illumination, LCD, 4 lines with 20 characters Display in more than 20 languages
Dimensions (W×H×D)	148×121×58 mm, 8.5 module
Fitting	DIN rail
Communication	RS485 and Modbus RTU as standard, TCP/IP as an option

### Inputs

Analogue inputs (AI)	For Ni1000 sensor or 0...10 V
Digital inputs (DI)	Potential-free contacts

### Outputs

Analogue outputs (AO)	0...10 V=, 2 mA, protected against short circuit
Digital outputs (DO)	Mosfet, each with 2 A, max. 8 A total, 24 V~/=