

# Compur Statox 501 Control Module

## Compur Statox 501 Control Module – One for all

The Statox 501 control module works with all types of sensor heads. No matter which sensing technology is used in the field, the Statox 501 control module can always process the signal. One control module together with a sensor head forms a complete gas detection system.

### Everything on board

Great in performance, modest in requirements: Statox 501 is small in size and energy efficient. It is DIN rail – mounted, so there is no need for a rack. It needs only 5 W at 24 V DC. It has three powerful relays, of which each can handle 2 A, as well as an analog 4 – 20 mA output to be connected to a recording device or process control system.

Each control module provides a half bridge, display unit, relay station, and calibration interface for catalytic and infrared sensors. It is also a control module for toxic gas sensor heads with electrochemical sensors, or even PID sensor heads.

In case of extensive distance between sensor head and control room, it even provides two “sense” contacts to compensate for the voltage drop in the cable.

It is not only a display unit for combustible gas sensors, it is also a relay station for transmitters operating as ‘source’ or as ‘sink’.



### Easy Installation and handling

Sensor heads and peripheral devices are very easy to connect, as all terminals are accessible from the front. The 24 V DC power supply and alarm signals run on a bus connector from one controller to the next. This bus structure supports also common alarm modules forming alarm groups, each with three relays of which the audible alarm relay that can be separately reset.

An optional intrinsically safe repeater converts the 24 V DC loop power supply for transmitters into an intrinsically safe voltage.

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## Compur Statox 501 Common Alarm module

### One common alarm module for up to 25 sensor heads

The common alarm module coordinates the alarm signals generated by the single control modules.

### Easy installation

The single alarm signals and the 24 V DC power supply are looped through a hardware bus, to which the common alarm module is connected too. As the control module, it is clipped onto the same DIN – rail.

### Common alarms, resettable audible alarm with alarm update function

Every single alarm will generate a common alarm, and activate the audible alarm relay. This can be reset, but will be re - activated as soon as an additional or new alarm occurs. The common alarm can only be reset, when all single alarms are extinct.

The alarms can be reset directly on the common alarm module, or by a remote switch.



Technical Data	Statox 501 Control Module	Statox 501 Common Alarm Module
Sensor heads:	Statox 501, Statox 505	
Measuring method:		
- Electrochemical	Statox 501, Statox 505	Statox 501, Statox 505
- Catalytic	Statox 501 HRC, ARE, LRC	Statox 501 HRC, ARE, LRC
- Infrared	Statox 501 IR, LC IR, MC IR	Statox 501 IR, LC IR, MC IR
- PID	Statox 501 PID	Statox 501 PID
Power supply:	24 V/DC	24 V/DC
Power consumption:	max. 5 W / Sensor head	5 W
Alarms:	2 Alarm thresholds, adjustable	Common alarm 1 and 2, audible alarm, updating
Relays/ Contact power:	Alarm 1, alarm 2, system failure/ 230 V/AC 2 A	Alarm 1, alarm 2, horn, system failure/ 230 V/AC 2 A
LED-display:	Alarm 1 and 2: red S (system failure): yellow	Power: green Common alarm 1 and 2: red S (system failure): yellow
Concentration display:	Three digit LED	
Output signal:	4 – 20 mA, max. burden 700 Ohm	
Installation:	DIN-rail	DIN-rail
Dimensions: H x W x D	75 x 65 x 75 mm	75 x 65 x 75 mm
Weight:	0,33 kg	0,33 kg
EMV:	CE compliant	CE compliant