A compact DDC with big possibilities

- 16 I/O distributed as 8 inputs and 8 outputs
- Expandable to 48 I/O
- Built-in network connection
- Integrated Modbus and M-Bus-interface
- License free PC software

SPECIFICATIONS

BAS2 XE16-COM is a compact DDC based on the flexible and easy-to use BAS2 concept.

An integrated mounting for DIN rail in combination with a shape that matches standard housings makes incorporation simple and inexpensive, even in small applications.

Communication

XE16-COM has built-in network connection (TCP) for LAN/WAN or 4G modem. The integrated web server makes it easy to work with, and also get support for, the system online. There is also full support for 2G/3G/GSM modem.

Alarms can be sent and acknowledged via e-mail and SMS. It also has a USB connection that enables easy-to-use and quick connection to laptops.

The M-Bus-interface is integrated in BAS2 XE16-COM, which means, for example, that energy meters can be directly connected and read remotely, without the need for external signal converters, interface modules etc.

Both Modbus TCP and Modbus RTU are integrated and support both Master Mode (option) and Slave Mode. This allows the connection of distributing I/O modules, ventilation units, cooling machines, fire dampers, individual room regulators etc.

Modbus Slave means that BAS2 is easy to connect to main control systems (DHC/SCADA).

Connections

There are 8 general inputs that can be individually used as analogue inputs, digital inputs or pulse inputs. There are 4 digital outputs and 4 analogue outputs.

If necessary, the number of inputs and outputs can be increased by connecting one or two BAS2 E16 expansion modules to XE16-COM's expansion port.

PC software, development tool and apps

BAS2 is an open system where the PC software with dynamic schematics for Windows 11/10/8.1 is included for free. Easy download of the latest version from www.bastec.se

The integrated development tool in BAS2 makes it easy to produce dynamic schematics and configure the system, as well as continuously maintain and modify the system.

Quick access to the system with BAS2 apps for Android, iPhone and iPad. Free of charge.

- Ready made Control cabinets available
- Also available as OEM Solutions

BASTEC

Technical data BAS2 XE16-COM

Supply voltage:	24 V AC ± 10%
Power consumption:	Max. 5 W (excl. externally connected objects such as actuators for example)

8 inputs that can be individually selected as one of the following three 3 types:

Digital input:	12–30 V DC or 24 V AC, 5 mA input current
Analogue input:	Pt 1000DIN, Ni1000 (L&G, L&S, Siemens), 12 bit resolution (approx. 0.07 °C), 0–10 V, 2–10 V, 0–20 mA, 4–20 mA (with external resistor 500 Ω)
Pulse input:	12–30 V DC. 5 mA input current, min. pulse length 20 ms, max. 15 pulses/second

Digital outputs:	4 x Triac 24 V AC type. Max. load 400 mA
Analogue outputs:	4 x with output voltage 0-10 V or 2-10 V, max. load 2 mA, short-circuit and over-voltage protected up to 30 V AC/DC

Communication:	USB, Ethernet TCP/IP, modem (RS232), OP/PC (RS232), DDC loop (RS485), Modbus RTU (RS485), Modbus TCP and M-Bus, max. 25 M-Bus-units (75 mA). As well as expansion port (EXP) for connection of 1–2 x BAS2 E16

Power output:	12 V DC (max. 500 mA) for supply of digital inputs, 4G routers etc.

Dimensions (WxHxD):	173 x 120 x 77 mm
Weight:	440 g
Mounting:	DIN rail

Max objects per DDC:	25 regulators, 50 time channels, 90 alarm points, 25 pump controls, 120 M-bus, 128 trend logs á 65000 values, 250 Modbus signals (option)

Certification:	CE, SundaHus environmental classification