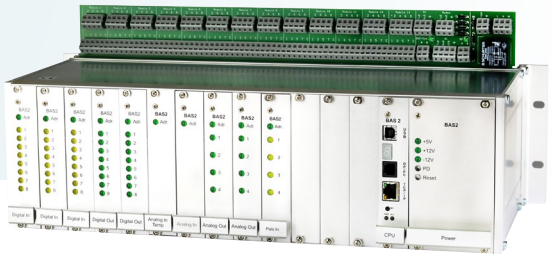
BASTEC

BAS2 XL13

A module based and forward compatible DDC

- Strong aluminum housing
- Up to 13 modules in any combination
- 230 VAC Power unit
- Easy to replace/upgrade the CPU module
- Easy integration with other systems



SPECIFICATIONS

XL13 is a module based DDC within the flexible object orientated BAS2 concept from Bastec. It´s made of an aluminum rack with spring terminals on the back plane and modules in free combinations.

The number of input and output signals can easily be adapted for each individual control cabinet. This makes it easy to manage large complex fan rooms, as well as smaller substations.

The CPU module is easy to replace, which makes BAS2 XL13 forward compatible.

Communication

XL13 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.

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).

M-Bus is also supported, which means that energy and water meters for example, can be connected via a simple interface module.

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.

- Up to 104 I/O in each rack
- Room for up to 13 I/O modules
- 8 I/O modules of each kind
- Easy to adapt without limitations
- 7 communication ports
- 4G router for internet/WIFI

Technical data BAS2 XL13

Supply voltage:	230 V AC ± 10%
Power consumption:	Max 30 VA

MODULE TYPES:

BAS2 XL13 can be equipped with up to 13 input and output modules of the following types, in any combination. (Maximum of 8 modules of the same type.)

Digital inputs:	8 opto-isolated passive inputs for 12–30 V AC/DC, 5 mA input current
Digital outputs:	8 closing relay outputs. Max. load 50 V AC/DC, 2A
Analogue inputs Temp:	8 for passive temp. sensor Pt 1000DIN, Ni1000 (L&G, L&S, Siemens), 12 bits resolution (approx. 0.07 °C)
Analogue inputs Active:	8 for voltage or current (with external resistor 500 Ω), 12 bits resolution, 0–10 V, 2–10 V, 0–20 mA, 4–20 mA
Analogue outputs:	4 with output voltage 0–10 V or 2–10 V, max. load 5 mA
Pulse inputs:	4 opto-isolated inputs for 12–30 V DC. 5 mA input current, min. pulse length 20 ms, max. 15 pulses/second

Communikation:	7 communication ports (USB, Ethernet TCP/IP, modem (RS232), OP/PC (RS232), DDC loop (RS485)), Modbus RTU (RS485), Modbus TCP, M-Bus via adapter

Dimensions (WxHxD):	485 x 185 x 215 mm
Weight:	4,3 kg (excl. input and output modules)
Mounting:	Mounted using four screws in the control cabinet

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

Certification:	CE, SundaHus environmental classification