

Lifeline of Conson

1980 Launch of the HMS 2000 system

The HMS-2000 system was built with relay and dimmer modules. Most of the modules had a module width of 4 units. The power dimmers had a larger size and were so robust that they are still active. The relay module DC22 had two outputs and controlled the load directly. Everything was directed by the immediate inputs which could create lighting scenes in a fairly simple manner. Slave and daylight dependent controls and remotes were already possible. Soon one made also use of a computer to control a larger operating system.

1995 Launch of the Concept 2000

The Concept 2000 was born and today it is still a great success in terms of simplicity and reliability. Unfortunately, it was difficult for Conson to keep on the production because different processors and components were no longer available. The structure of the Concept 2000 consisted of relay and dimmer modules, the „actors“ and „link“ modules that created the different scenes and modes. The modules could be directly controlled through their direct and indirect inputs from the local Conbus. A special feature was that all actors had LED-outputs. Few installers are able to forget the name of the CP24-relay module, as well as the name of the renowned CP31LR dimmer. So robust that the installers had forgotten that all these installation are running. Concept 2000 could be programmed with a bidirectional IR remote control and this in a fairly simple way. In 2004, an Internet Control was developed for the first time: the combination of the Concept 2000 with the Conlinx server offered enormous potential and this being almost the only one on the market. In 2006, the basis for a new Concept was outlined, which took its start in 2011. The new Concept had to answer all questions left.

2011 Start of Concept 2000XP.

All modules of the Concept are programmable via an XP130 or XP230 gateway in conjunction with the ConTool software. The relay and dimmer modules are born as a CP-module. Once programmed to a XP-mode, the CP principle switches off. As in the Concept 2000, the modules have direct inputs and LED-outputs. In addition, the local bus is expanded to a four-pin connector. This was necessary to create the XP-modules. Next to this local bus (CONBUS) it is possible to connect to each actor an external bus, namely the Consonbus.

The name is intentionally made longer as it involves a longer bus.

Several buses offer greater reliability and more opportunities in regarding to the construction. In one Concept 2000Xp-system, it is possible to use 99 of each type of interfaces. Interfaces like the XP2506 and versions A and B have five push-buttons and five LEDs, Sesame (the flashing of the LEDs when having been approached), and a temperature input. The A version serves standard infrared remote controls and version B serves the B&O-remote controls such as the Beo4. Thus, using these three types of interfaces, $99 \times 3 = 267$ interfaces are possible. Counted otherwise, this means that there are 1335 push-buttons, 1335 LEDs and 267 temperature inputs. Taking the next type of interface, the XP28 which is also available in the execution type A and B, then one has returned to 267 interfaces. The XP28 is used to connect push-buttons from other manufacturers. The XP28 has 8 inputs, 8 outputs, an IR-input with 5VDC power supply, an temperature input and two programmable I/O's. Counted otherwise, by using the XP28 one can connect 2136 push-buttons and 2136 LEDs. Also another 267 temperature inputs and 534 programmable I/O's can be added. In addition to the types XP2506 and XP28, there are other and more types on the way. In any case, more than enough for a home or a building to operate in.

Why choose XP Concept 2000?

- ✓ Conson has been active since 1980 with products that are backwards compatible, being the only one in the business.
- ✓ Affordable products that are suitable for several systems.
- ✓ The modules are pre-programmed and can be programmed with or without a computer.
- ✓ Switches and dims everything possible using only a small number of modules.
- ✓ Free choice of a push-buttons and wiring.
- ✓ Relay and dimmer modules have direct inputs and LED-outputs.
- ✓ Unlimited modes and scenes from the local or external bus.
- ✓ Practically, there are no limits to the number of used external buses.
- ✓ Internet control via smart phones, tablets and other.
- ✓ Easy to learn for beginning installers, no limits for specialists.
- ✓ An exclusive software "ConTool", the entire file is stored in the modules themselves.
- ✓ Available only in specialized wholesales.
- ✓ Starting with Conson products does not need investments, it only requires the will to learn.

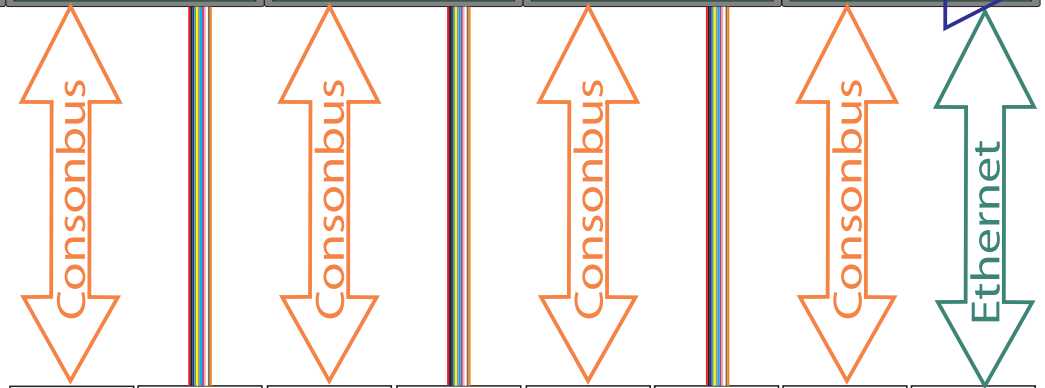
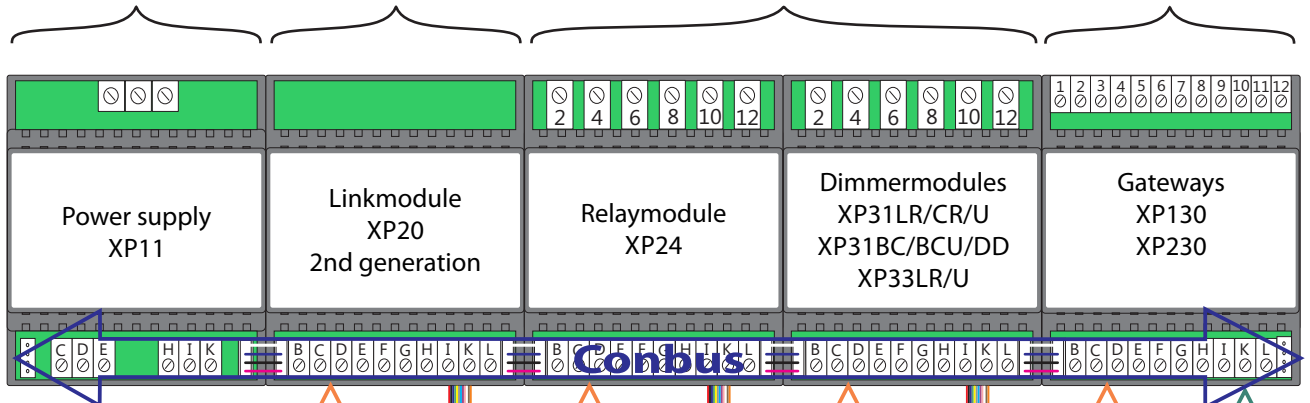
number of power supplies according to the number of actors sensors bus push buttons feedbacks	number of link modules Concept 2000 4 by type number of modules new generation 99 by type	number of relay modules theoretical unlimited	number of dimmer modules theoretical unlimited	number of gateways 1 per assembly in comb. unlimited communication RS232/485 B & O MLGW
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Power supplies

Links

Actors

Communication



to interfaces XP2506 XP2506A XP2506B XP28 XP28A XP28B	direct inputs and feedbacks for LEDs and other as CP2505	to interfaces XP2506 XP2506A XP2506B XP28 XP28A XP28B	direct inputs and feedbacks for LEDs and other as CP2505	to interfaces XP2506 XP2506A XP2506B XP28 XP28A XP28B	direct inputs and feedbacks for LEDs and other as CP2505	to interfaces XP2506 XP2506A XP2506B XP28 XP28A XP28B	to laptop touch-screen router Wifi Internet
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Number of direct inputs and feedbacks: theoretically unlimited
 Number Consonbuses to startup: 99 x the number of types of interfaces, but is limited based on the number of actors
 Maximum number of interfaces in an installation: 99 by type

The **Conbus** is the local bus which feeds the different modules, and which looks after the data flow of the concept 2000 and of the concept 2000XP. This bus is a short bus, hence the denomination Conbus.

The **Consonbus** is an external bus which ensures the power supply of the different interfaces and the mutual communication to the actors.