

## Systemdescription

Forward thinking has made it possible today to create intelligent installations based on electronics. The use of electronics means that Conson's programmable lighting management system CONCEPT 2000 is future-orientated as well as energy-saving.

No special training is required for planning and programming of CONCEPT 2000.

The Conson low current system can be rearranged or extended without additional expense. Conson has been providing electronic controls to schools, houses, halls, office buildings, hotels, congress centers and factories for many years.

All expectations regarding operating safety, flexibility and future expandability have been satisfied.

Please ask for our comprehensive reference list, which stretches from domestic housing and hotels to conference centres at home and abroad. This is the result of many years's experience and intensive product development.

# Conson Programmable Lighting manage- ment system CONCEPT 2000

- System description -

- Lighting management
- Light dimming
- Light requirements
- Remote control
- Imitated habitation
- Burglar alarm
- Surveillance panels
- E.D.P./ C.T.S  
surveillance

- Light creates interior -  
- Conson makes atmosphere -

- Foto -

Lighting management system

CONCEPT  
2000



System description

CONCEPT 2000 - the new lighting management system from Conson extends the concept of a safe installation while keeping in tune with the times.

CONCEPT 2000 has been preprogrammed by Conson and therefore ready for use.

CONCEPT 2000 is a programmable lighting management system with a simple and easy-to-use language. The system consists of individual modules (relay modules and dimmers) and "link" modules (Switch-Link, IR-Link etc.). All modules are connected via a bus. The bus is used internally as communication channel between the modules, transmitting such commands as turn off/on all units. The structure of the bus minimises wiring between the modules and it reduces the risk of faulty installation as well as increasing the installation's flexibility.

The active modules (dimmers and relay modules) are programmed with Conkey (a combined remote control and programming unit) to monitor commands from the link modules. When a command is transmitted via the bus, the individual module checks whether the command is programmed into it and the modules reacts as required.

Module types

**Power supply type CP 11** supplies 24 volt DC for the CONCEPT 2000 system. The power supply is sufficient for control of up to 20 lights. If several power supplies type CP 11 are used in the system, the various pluses may not be connected together. The minuses, however, must be connected. This rigid construction secures the entire system against dropout if a short circuit should occur in one of the power supply lines - so only that one line is deactivated.

**Relay module type CP 24** can be programmed for various functions e.g. Turn on, turn off or adjust, just as various timing functions can be programmed in. The relay module type CP 24 can be controlled directly from the button switch at the door, table, or bed. The direct toggle switch can also be programmed for special functions such as e.g. automatic step with different settings, help relay function, also with mutual blocking

between two relays for control of curtains, screen etc. CP 24 is of course also connected to the bus and can therefore receive and execute commands which might arrive via the bus. CP 24 contains 4 relays which have their own adjustment input and indicator output.

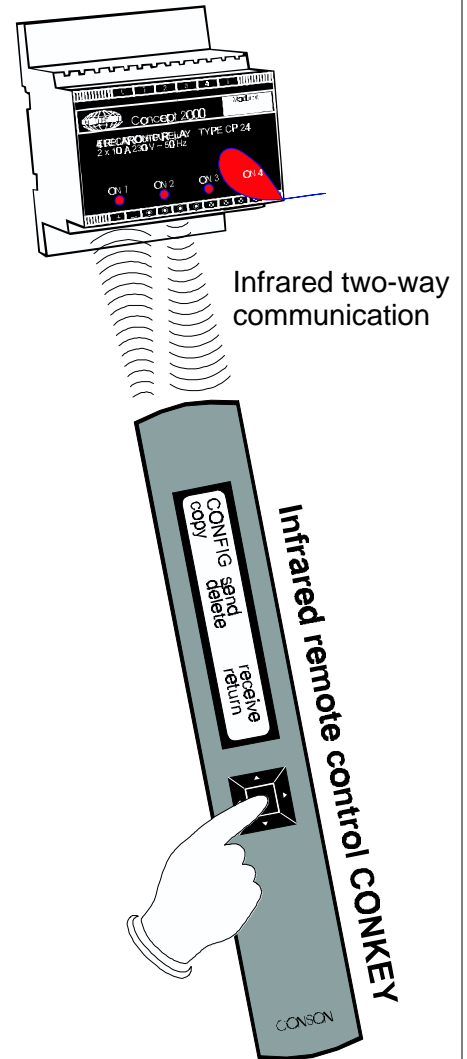
**Dimmer module type CP 31** can be controlled with a button switch connected to the module which has the following functions: on, off, regulate light level and setting of min./max. light levels. CP 31 can also be controlled via the bus, which adds a lot of functions to the dimmer, some of the functions are: selection of light levels, timing functions and other dimming facilities, see table of functions.

**Switch-Link type CP 20** is connected to the bus via general button contacts, motion detectors other signals (minus). CP 20 also has a range of programming possibilities.

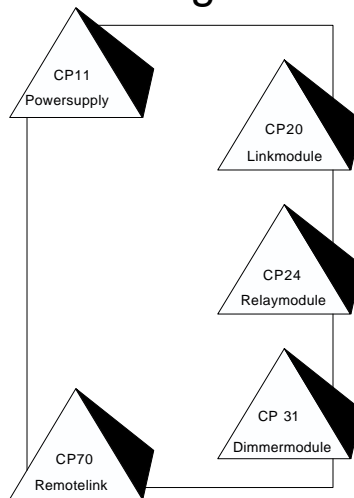
**Remote-Link type CP 70** also uses this bus to communicate with relay and dimmer modules. Relay or dimmer modules can thus be controlled by IR remote controls, UHF transmitter or with functions such as: imitated habitation, burglar alarm, clock signals etc.. Signals from the remote control are decoded in CP 70 (ver. A, B and C) and is transmitted as a command over the data bus.

Simple programming of the modules is done with IR remote control. As communication is two-way, only valid program data are received from or transferred to the modules. The display shows whether there is a communication error.

Programming with Conkey

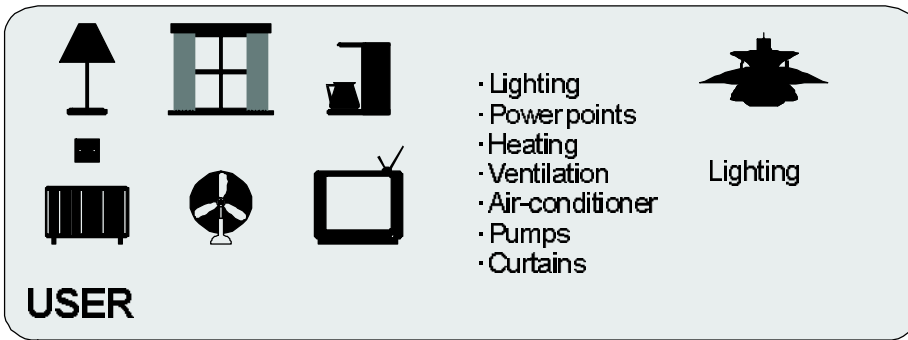


CON - Figuration

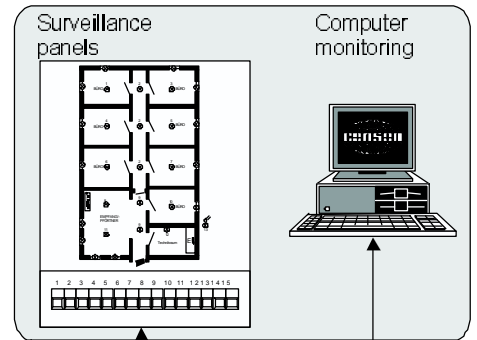


System construction

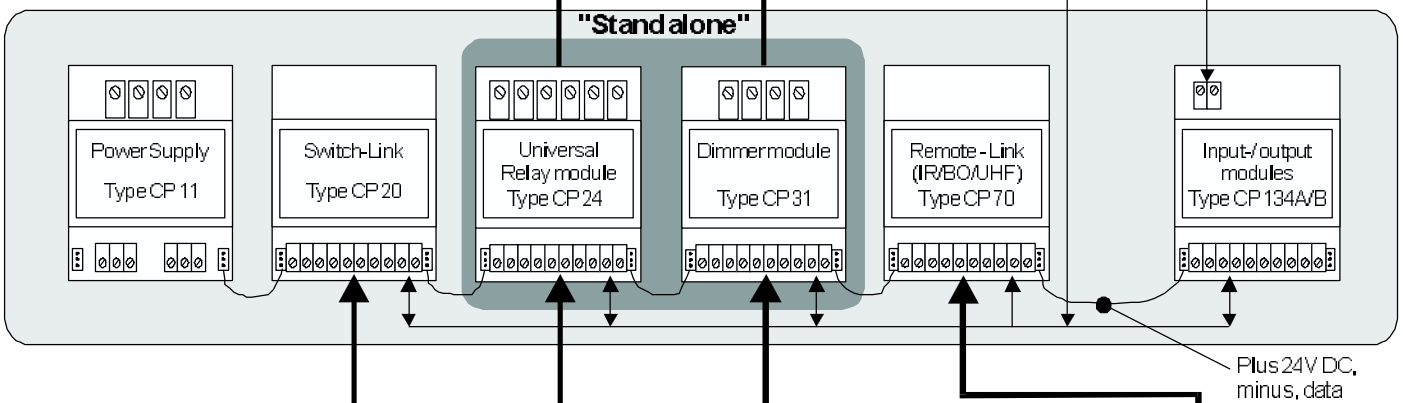
Decentralised



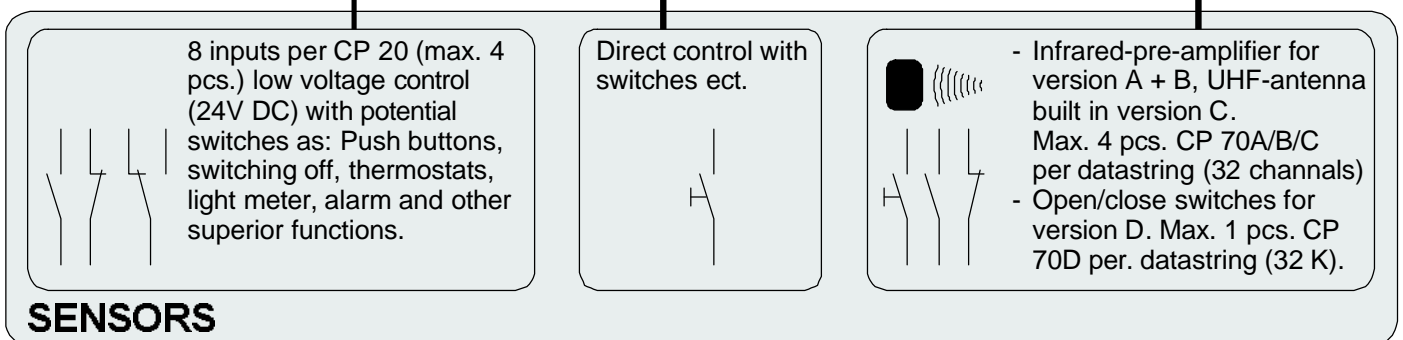
Centralised surveillance



Centralised



Decentralised



System description

