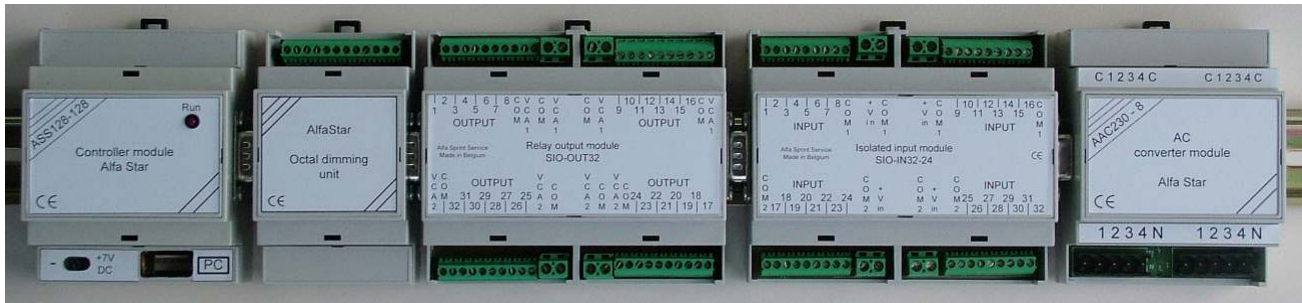


# AlfaStar : home automation for everybody



Picture above is not binding and can differ from the reality.

## Comfortable and simple, modular and flexible and affordable by anyone

- Simple :**
- Control as easy as a classical installation.
  - Human control by a simple button press at any time.
- Comfortable :**
- Unlimited combinations of predefined light patterns and ambiances.
  - Central control (i.e. 'all out' or panic button ) at any time and any place.
  - Motion detectors for automatic switching of lights or electrical loads.
  - Automatic switching at specified times.
- Safety :**
- Automatic switching off dangerous loads, like irons, toaster, ... . Never doubt whether it is still on !
- Saving :**
- Automatic switching on/off at specified times dependent on light, temperature, motion detection, .... resulting in a lower power consumption.
  - Prevent that loads are switch on too long or unnecessarily.
  - Limit the unnecessary and continuous power consumption of modern electronic equipment.
- Flexible:**
- The AlfaStar system is built in a very flexible way with unlimited functionalities. Changes in control of lighting and any other electrical load are possible at any time and as needed. The system is built to grow and expand with future developments.
- Affordable :**
- The AlfaStar system is although its extensive functionality very affordable. It gives an asset to your house.
  - **Extremely suited to do it yourself.**

## Technical specifications

- Cheap and simple 'star' wiring. Any type a cable can be used ( UTP, FTP, SVV, ..... )
- Any type of button from any manufacturer can be used, even miniature types.
- Simple installation with no need of special equipment.
- Up to 256 digital inputs and 128 digital outputs.
- Up to 32 dimmers, 1 and/or 2 button control, combinable with an unlimited number of ambiances.
- Standard functions on any output : (different functions combinable on the same output )
  1. ON / OFF, delay from 0 seconds .. 113 hours
  2. ON / OFF with limited on time from 0.1 seconds .. 113 hours.
  3. specified ON time ( timer function ), delay from 0 seconds .. 113 hours
  4. ON, delay from 0 seconds .. 113 hours
  5. OFF, delay from 0 seconds .. 113 hours
  6. ASTABLE ( blinking ), delay, ON and OFF time from 0. seconds .. 113 hours
- Times adjustable from 0.1 seconds to more than 113 hours ( 4 days and 17 hours )
- 20 clocks with weekly cycle to switch on or off 1 or more outputs. ( cycling per second, minute , hour and day too )
- Up to 4 functions on any input : short / long press, combined with press and loosen.
- All in- and outputs can be used identically, independent of the used configuration. ( = unlimited possibilities )
- Communication port : standard RS232, this can be adapted via optional modules to bluetooth ( wireless up to more than 100 meters ) or network (LAN / WIFI).
- Configuration is entered via PC with the standard supplied PC software. The configuration is sent via the communication port and stored permanently into non volatile memory. From then, the AlfaStar works completely independent, even after a power failure or restart.

Changes are easy to do at any time.
- Configuration can be preprogrammed on demand.
- Real-time manipulation of the in and outputs via PC, where the system reacts as if a real button was pressed (real simulation). With this functionality you can develop and test the configuration on your PC without any wiring and in a comfortable position at your desk.
- Monitoring with logging via PC. Any state of the in and outputs is shown on the screen. Any change is logged with a timestamp and put into a list and file on disk. ( i.e. access control, optimization of the position of motion sensors, ... )
- Reprogrammable to expand functionalities in the future (firmware update). The system can expand with new technologies and new expectations of the user.