

## Text for the installer, engineering office and architect

- 1 The electrical installation is of the type "home and building automation". The construction is carried out with DIN rail modules in one or more enclosures, with or without the fuses.
- 2 The modules are powered by a 24VDC power supply. The number of power supplies depends on the size of the project. In the enclosures, the legal overvoltage technology will always be provided and this according to the regulations of the country.
- 3 The modules have direct inputs to which the outputs may be addressed directly.
- 4 The relay and dimmer modules have physical feedback outputs. Thus, these modules can be used in a conventional manner. Today this is not the intention but to provide service to older installations and other applications.
- 5 The modules are interconnected via 4-pole connectors and thus form a local bus (internal bus). The modules can be programmed in this way and exchange data with each other. Programming is done via this local bus by means of a gateway in combination with a software that is made available free of charge. The relay and dimmer modules can accommodate 100 programming lines in each module in a non-volatile memory.
- 6 From each module, a 4-pole shielded bus cable can leave the enclosure to connect the push button interfaces in the house or building (external bus). These interfaces have 8 inputs, 8 LED outputs, IR input (standard or B&O) and NTC input for temperature measurement.
- 7 Multiple external buses may be installed. The number of interfaces on the total of the external buses is limited to 99 per type. The same principle applies to the modules themselves, 99 per type.
- 8 An installation that is carried out and programmed in this way must then be able to operate completely autonomously in terms of operation and others.
- 9 If the installation later has to be controlled and managed with a PC, smartphone or tablet via the local network (Wi-fi) and / or the Internet, the installation will be provided with a box that will take care of all needs. This is extremely important for service purposes such as messaging, user management, heating, cooling, time switches, monitoring, registration of lifespan and number of on/off times, energy management, voice control, audio info channels, responding to environmental factors, etc ...