

Door Control Unit XMP-K24^{plus}

Applications

- Access control
- Time recording
- Barrier control
- Guarder control
- Traffic light control
- Camera control
- Parking garage counting
- Light control
- Biometric systems

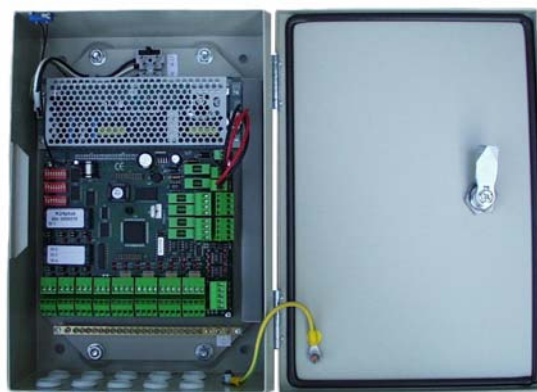
Functions

- download of up to 256 access profiles
- reader protocol free programmable
- modem operation
- calendar
- summer / winter switchover
- supervision of loops
- building automation schedules
- 16 user specific free programmes
- uninterruptable power supply (UPS) optional
- main clock connection from the central unit

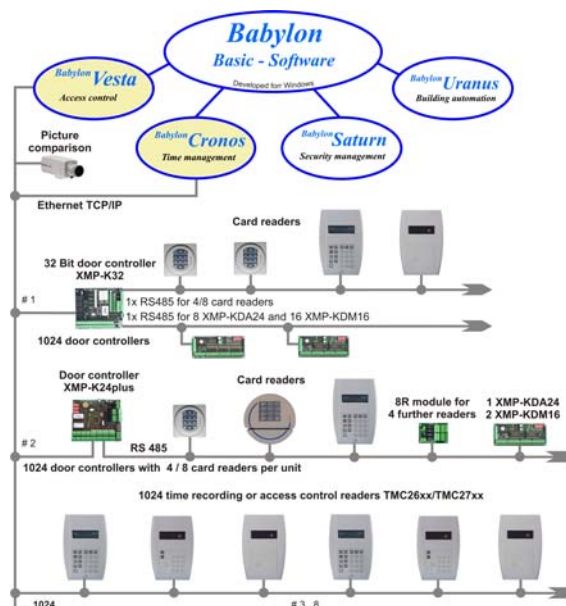
Technical data

- supply voltage of the circuit board: 12-24 V DC
- power consumption: approx. 2 W in idle motion, max. 50 W in dependence of external wiring
- connection of up to 4 reader terminals (standard) with RS485-2-wire-partyline-interface
- supply voltage of the readers via XMP-K24^{plus} (4 x 12 Volts DC, each 500 mA)
- RS485 2-wire or 4-wire-interface
- 16 binary inputs (galvanic separated by optocouplers)
- 8 binary outputs (relay 5 A max. / 250 V AC)
- data memory: 128 kB SRAM (alternatively 512 kB SRAM)
- program memory: 512 kB flash-EPROM
- 16 Routines (standard)
- Lithium-batteriy (supply of RAM and clock in the case of power failure for approx.6 months)
- Real-time clock
- Steel enclosure (WxDxH=230x100x335 mm)
- Protection type: IP55
- Surrounding conditions:
During operation: 0 to 50°C
storage: -40 to 70°C
5 - 95% relative humidity

miscellaneous, intelligent



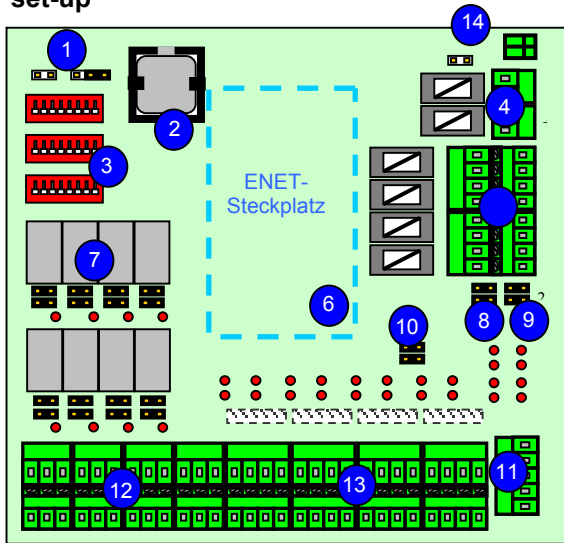
XMP-K24^{plus}



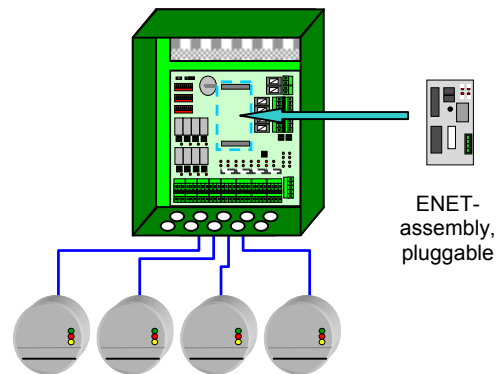
Technical news as compared with the XMP-K24

- optionally: with Ethernet interface
- extension on availability of 32 routines and 8 reader connection
- pluggable connection clamps
- firmware can be downloaded
- voltage supply via stabilized switching mode power supply 230 volts AC
- peer-to-peer communication (via Ethernet)

The XMP-K24^{plus} –circuit board – schematic set-up



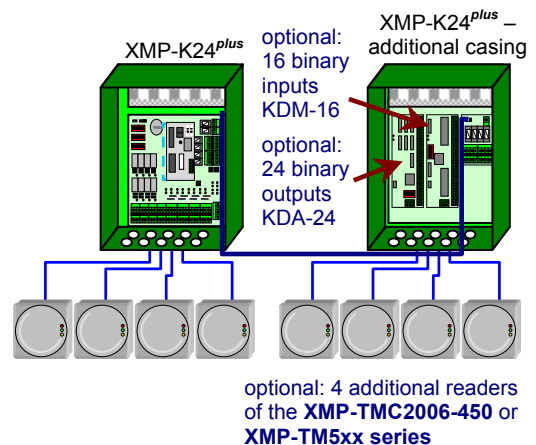
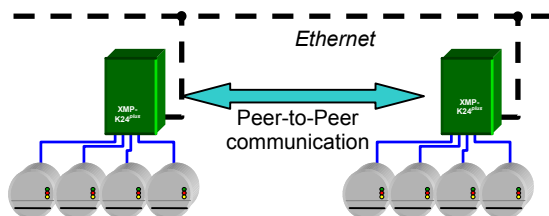
1. sabotage contact and battery-jumper
2. Lithium-battery
3. dipswitches (SW)
4. supply voltage (board and BOs)
5. reader connection clamps
6. connection sockets (ENET assembly)
7. relay for the control of the BOs
8. jumper: termination resistors
9. jumper 2-/4-wire (to master computer)
10. jumper 2-/4-wire (to reader)
11. connection clamps master computer
12. connection clamps BO
13. connection clamps BI
14. carry-throughs to the additional board



- Furthermore exists the possibility of an optional memory extension for bookings and master records from 128 kB on 512 kB.
- At the **XMP-K24^{plus}** can be connected up to four additional readers using an additional board in a separate casing with a separate power supply.
In case of connecting 8 readers total at the **XMP-K24^{plus}** for reasons of addressing at the moment only the reader types of the **XMP-TMC2006-450** and the **XMP-TM5xx** series can be used.
In addition up to 32 free programmable XMP routines can be activated on a **XMP-K24^{plus}**.
- According to the needs on additional inputs and outputs, respectively, in the additional casing the assemblies **XMP-KDM16** (16 inputs) and **XMP-KDA-24** (24 binary transistor outputs) can be integrated.

Peer-to-peer communication

The **XMP-K24^{plus}** is able to communicate *peer to peer*, i.e. a **XMP-K24^{plus}** can communicate with another **XMP-K24^{plus}** (e.g. recall of data points). This feature only works in case of a connection of the **XMP-K24^{plus}** via the ENET-assembly.



The XMP-K24^{plus} options

- 10BaseT Ethernet board (ENET) for the connection of the **XMP-K24^{plus}** via Ethernet at the master computer. The ENET-board is pluggable on the **XMP-K24^{plus}**-board

