

Door Control Unit XMP-K24P-005

Applications

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

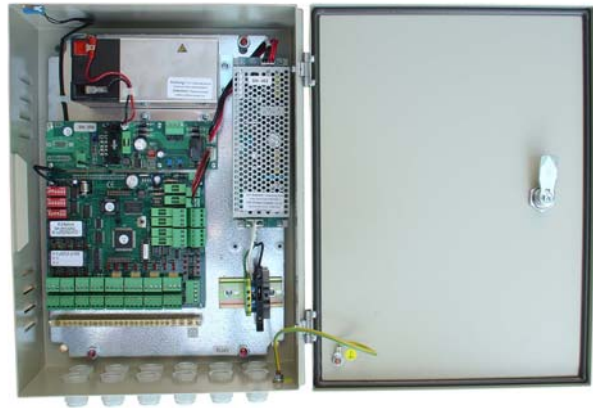
Functions

- 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)
- main clock connection from the central unit

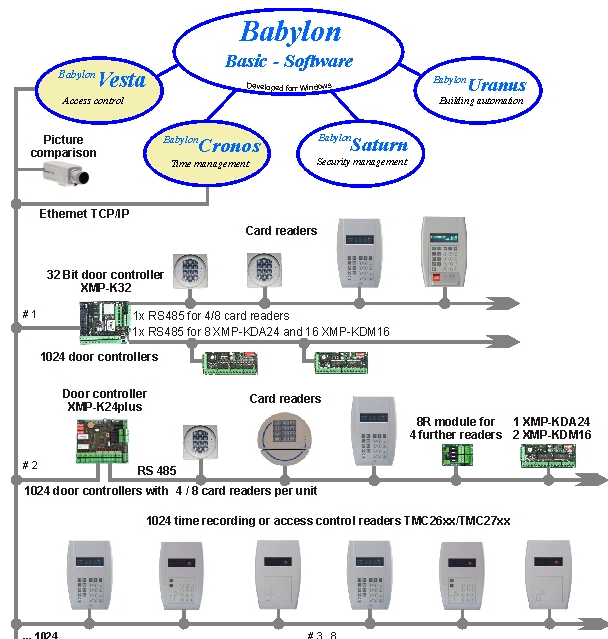
Technical data

- supply voltage primary 110-230 V/AC
- current consumption primary max. 0.3A at 230V
- supply voltage secondary 12 V/DC max. 50W
- power supply of the circuit board: 12V/DC
- 7A hours accu
- 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 5A max./250 V AC)
- data memory: 128 kB SRAM (alternatively 512 kB SRAM)
- program memory: 512 kB flash-EEPROM
- Lithium-battery (supply of RAM and clock in the case of power failure for approx.6 months)
- Real-time clock
- Steel enclosure(WxDxH=300x450x145mm)
- Protection type: IP55
- Surrounding conditions:
- During operation: 0 to 50°C
- storage: -40 to 70°C
- 5 - 95% relative humidity
- protection against deep-discharge at 10...10.2V
- charging current limiting to 0,5A
- potentialfree relay contact on power supply for AC fail alert

miscellaneous, intelligent



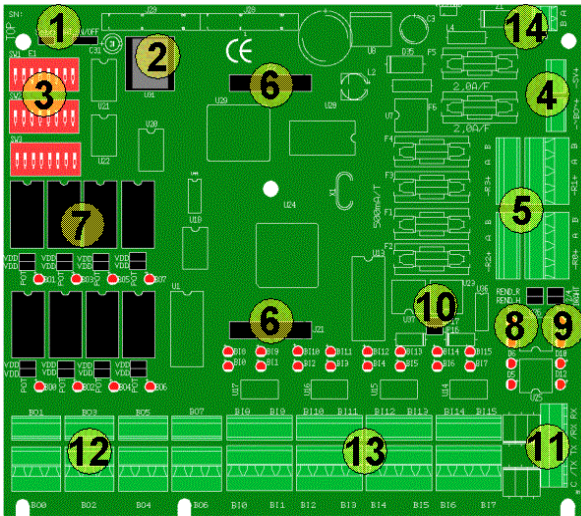
XMP-K24P -005



Technical news as compared with the XMP-K24

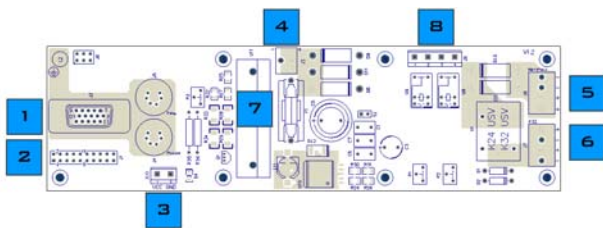
- optionally: with Ethernet interface
- optionally 16 routines
- extension on availability of 32 routines and 8 reader connection
- pluggable connection clamps
- firmware can be downloaded
- voltage supply via stabilized switching mode power supply 230 volts AC
- peer-to-peer communication (via Ethernet)
- parameterizing via ISDN-router possible

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



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

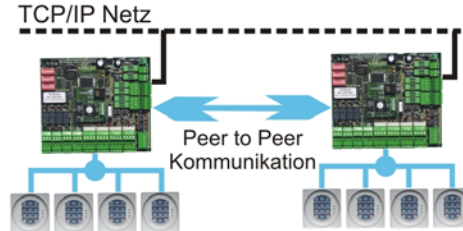
USV circuit board – schematic diagram



1. VGA-interface
2. data line für K32-circuit board (incl. operating voltage for the USV-circuit board)
3. operating voltage 5V/DC (only for K24plus)
4. socket for the accu (12 or 24 V/DC)
5. connection to the power supply unit
6. connection to the K32-circuit board
7. F1: F2A charging current accu (only for K24plus) J9: PIN 1-2 battery low, PIN 3-4 network failure

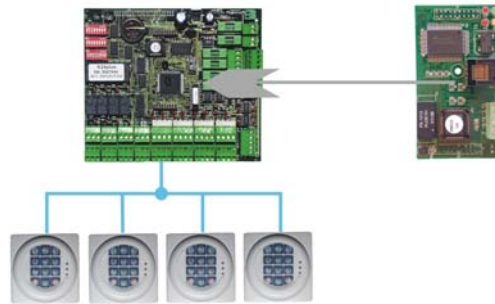
Peer-to-peer communication

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



- 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-TMC2006-4xx, XMP-TM5xx and TMC25xx 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 XMP-K24P-001 the assemblies XMP-KDM16 (16 inputs) and XMP-KDA-24 (24 binary transistor outputs) can be integrated.

Important customer information!

Damaged circuit boards have to be disposed in the right way. Batteries and accumulators are special waste. Packaging can be used again or disposed. Green filling material should be dropped into the bio-waste.

