

8-Relais extension board for KDA-024 module

Fields of application

- Switching of loads
- Key dispenser control
- Elevator control
- Barrier control
- Door opener

Functions

8-channel relay extension board for the direct switching of loads such as e. g. of door openers or of optical or acoustic signal devices like horns, lamps via XMP-KDA-024 circuit module.

The 24 switch commands of the KDA24 module can be extended by connection of 3 KDR8 with 8 relays each. The address setting of the relay boards is realized by jumpers on the relay board (KDR0 to KDR2). The relay outputs can be configured by a jumper as **voltage affected** or **potential free**.

Technical data

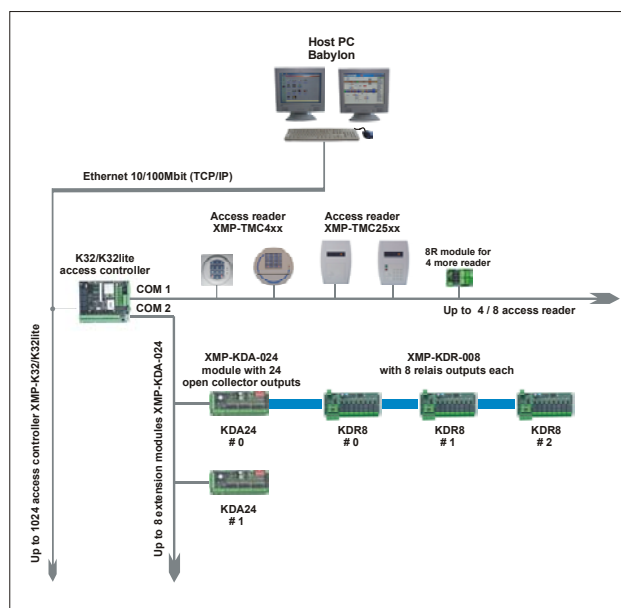
Power supply KDR8-Module:	12V / 24V DC via XMP-K32/K32lite or by separate power supply max. 30V DC
Current consumption:	Max. 4 VA
Outputs:	8x digital Relais
Output achievement (voltage affected)	max. 12 V DC / 2 A max. 24V DC / 1 A
Output achievement (potential free)	max. 30 V DC / 1,5 A max. 24V AC / 1,5 A
Interface:	Parallel via KDA-024
Fuses:	12V Relais : F2.0A 24V Relais : T1.0A
Environmental conditions:	Operation: 0..50 °C Storage: -40..70 °C 5 - 95% relative humidity
Dimensions:	(WxDxH) 59 x 139 x 25 mm

HINT:

Connection only to KDA-024 modules greater revision 2.2 possible.



XMP-KDR-008



Scheme for the connection of XMP-KDR-008 boards to XMP-KDA-024

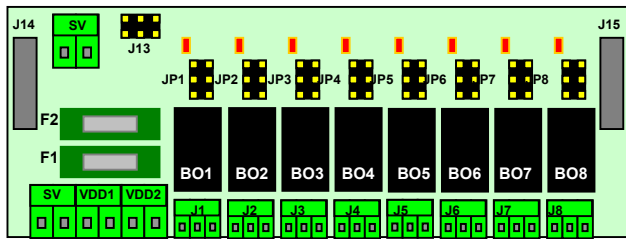
XMP-K32lite: Intelligent door controller with 10/100Mbit LAN interface. 100MHz 32 bit cpu with Linux embedded operating system. **25.000** access profiles, **15.000** master data (extendable to **50.000**), **60.000** bookings.

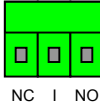

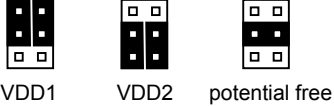
XMP-K32: Intelligent door controller with 10/100Mbit LAN interface. 266MHz 32 bit cpu with Linux embedded operating system. **100.000** access profiles, **500.000** master data (extendable to **2.000.000**), **500.000** bookings.

XMP-KDA-024: Extension module with 24 transistor-outputs for connection to K32/K32lite door controller.

Order number: XMP-KDR-008

Scheme of the XMP-KDR-008-board



SV:	Power supply (12V/24V DC)
VDD1:	Output power 1
VDD2:	Output power 2
J1.. J8:	Connection clamps BO1 to BO8  (NC = normally closed) (NO = normally open) NC NO
J13:	Adress-jumper KDR0 to KDR2 
J14, J15	KDR8-Interface Flat-ribbon-cable-connector for connection to KDA024 module and additional KDR8 modules.
JP1..JP8:	Output configuration jumper 
F1:	Fuse VDD1 (F2.0A)
F2:	Fuse VDD2 (T1.0A)

Connection of KDR-08 boards

Up to three **XMP-KDR-008** boards can be connected each **XMP-KDA-024** module like shown on page 1. The connection of the modules is realized through an flat ribbon cable (shipped with the KDR-08 board).

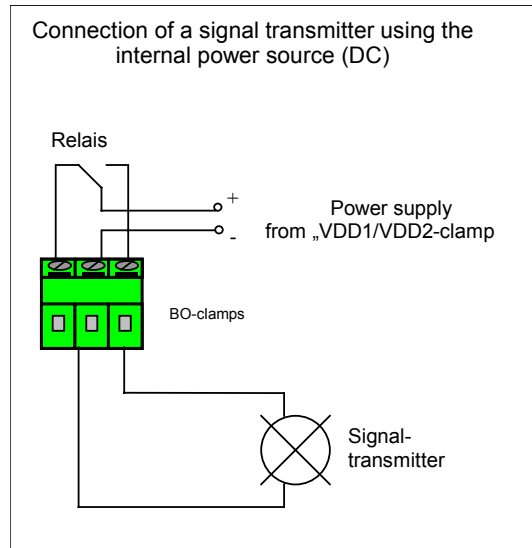
The output relays of the KDR-008 board are accessed parallel to the open collector outputs of the KDA-024 module. Each open collector output one relays is assigned.

Allocation:

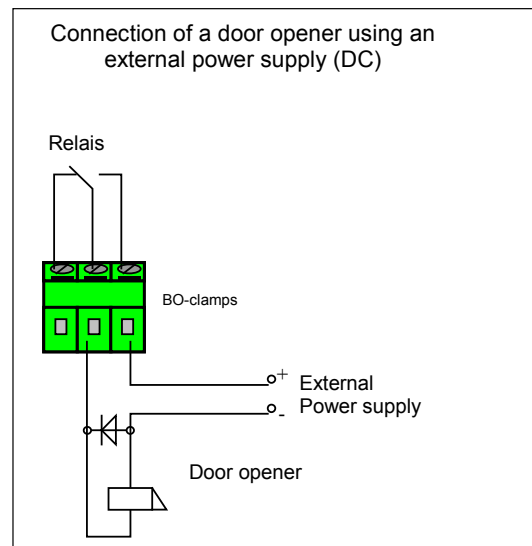
- KDA024 : output 0 ... 7 → KDR8,No.0 : relais 1 ... 8
- KDA024 : output 8 ...15 → KDR8,No.1 : relais 1 ... 8
- KDA024 : output 16... 23 → KDR8,No.2 : relais 1 ... 8

Output configuration

1. Configuration „voltage affected“.



2. Configuration „potential free“.



Mounting dimensions

