

INTERLOCK SYSTEM





J'Clean

Cleanroom interlock system

Reliable and efficient access control

Jansen interlock systems offer an efficient and flexible solution for access control in critical environments. Thanks to the plug & play principle and the significant reduction in cabling compared to traditional systems, they are easy to install and configure. The J'Clean interlock system is designed to lock or unlock doors to ensure positive or negative pressure control.

The components of the J'Clean interlock system can be seamlessly integrated into both the wall and door frame and can be customized to the desired configuration. The system is easy to set up without additional tools or software and provides error analysis via the door controller. It is compatible with all classification levels and can be expanded with a BACnet module for communication through a building management system.



BENEFITS

- Significantly less cabling compared to traditional systems
- Easy and fast installation thanks to plug & play principle
- Easily adjustable and programmable without additional tools or software
- Error analysis possible via the door controller
- Monitoring of door status
- Space-saving control unit, easily expandable
- Stand-alone up to 3 doors or linkable up to 48 doors
- Simple 4-wire wiring and exchangeable parts
- Deblocking for maintenance



FEATURES

Modular

- Easily expandable for the installations from one to several doors without restructuring
- Compatible with different types of emergency stops, fire alarms and badge readers
- Freely programmable without additional software

Easy installation

- Minimal cabling: only 4 x 0.75mm required between the door module and connection module
- Compact base module at the back of magicswitch
- No extensive electrical cabinet or complex wiring required

Future proof

- Bacnet module for connection to BMS
- Simple expansion possible without the need for major modifications
- Robust design

Decentralized

- Basic module integrated into each door
- Local configuration per door via door controller

Plug & play

- Pre-assembled modules
- No complex programming
- Connection of solenoid and other components directly to the basic module per door
- System can be pre-programmed and is therefore immediately ready for use



TECHNICAL SPECIFICATIONS

Base module

Weight	75 gr
Voltage	24V DC stabilized
Power consumption	Max. 70mA, 1.7W
Temperature range	0°C to 50°C
Humidity	5 to 95% (non-condensing)
Material	Self-extinguishing PPO
IP rating	IP20

Connection module

DIN-rail modules	12
Weight	0,4 kg
Voltage	24V DC stabilized
Power consumption (Connection module)	Max. 100mA, 2.4W (excluding outputs)
Temperature range	0°C to 50°C
Humidity	5 tot 95% (non-condensing)
Material	Self-extinguishing PPO
IP rating	IP20

Door controller (with or without bacnetmodule)

DIN-rail modules	6
Weight	0,2 kg
Voltage	24V DC stabilized
Power consumption	0,8 W
Connection capacity	2,5 mm ²
Temperature range	0°C to 50°C
Humidity	5 to 95 % (non-condensing)
Material	Self-extinguishing PPO
IP rating	IP20

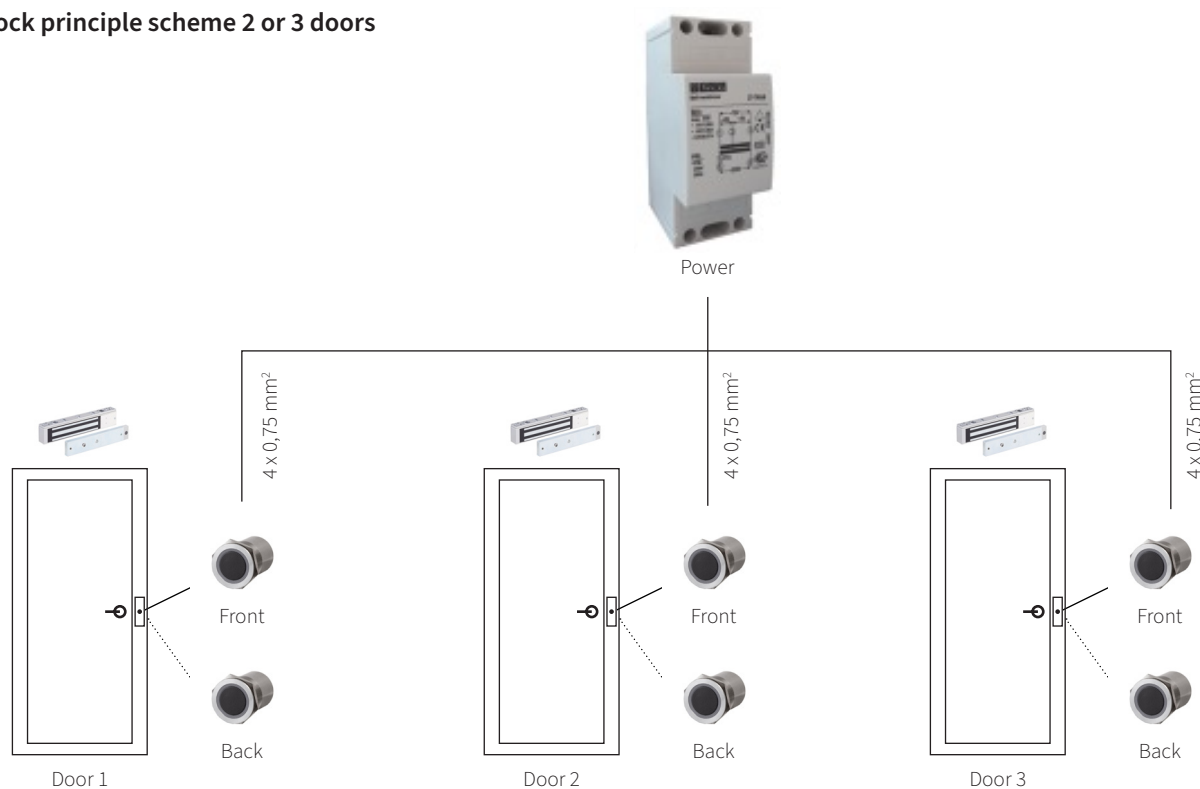


The Jansen interlock system can control up to three doors without additional components and consists of the following basic parts:

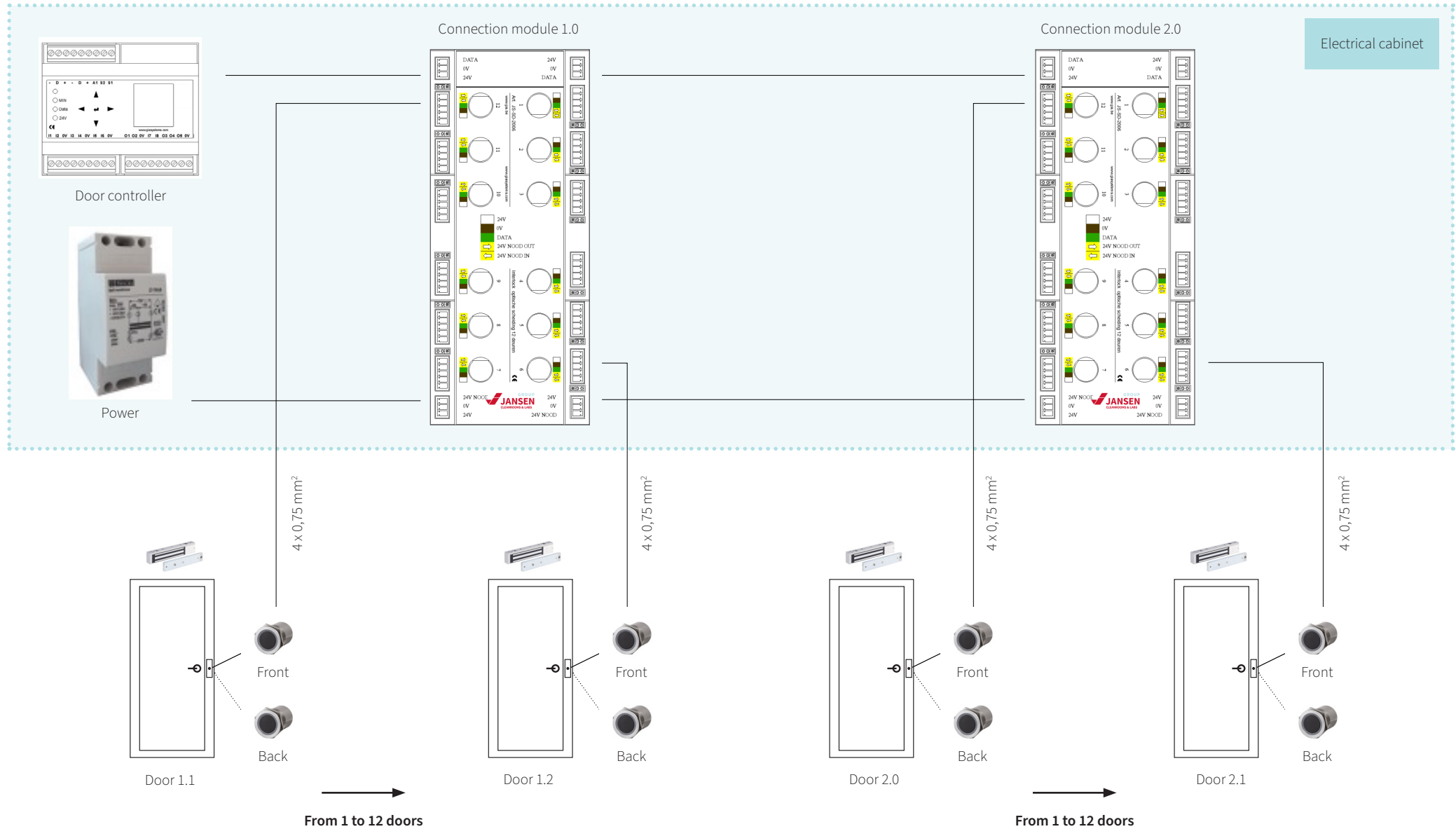
- ✦ A door magnet
- ✦ An interlock base door module
- ✦ A Magic switch
- ✦ A Liycy 4x0.75 cable (DIN 47100)
- ✦ 24V power supply

When opting for the Jansen interlock system, all necessary cutouts are made in the door frame. If an embedded door magnet is chosen, it will also be installed in the door frame.

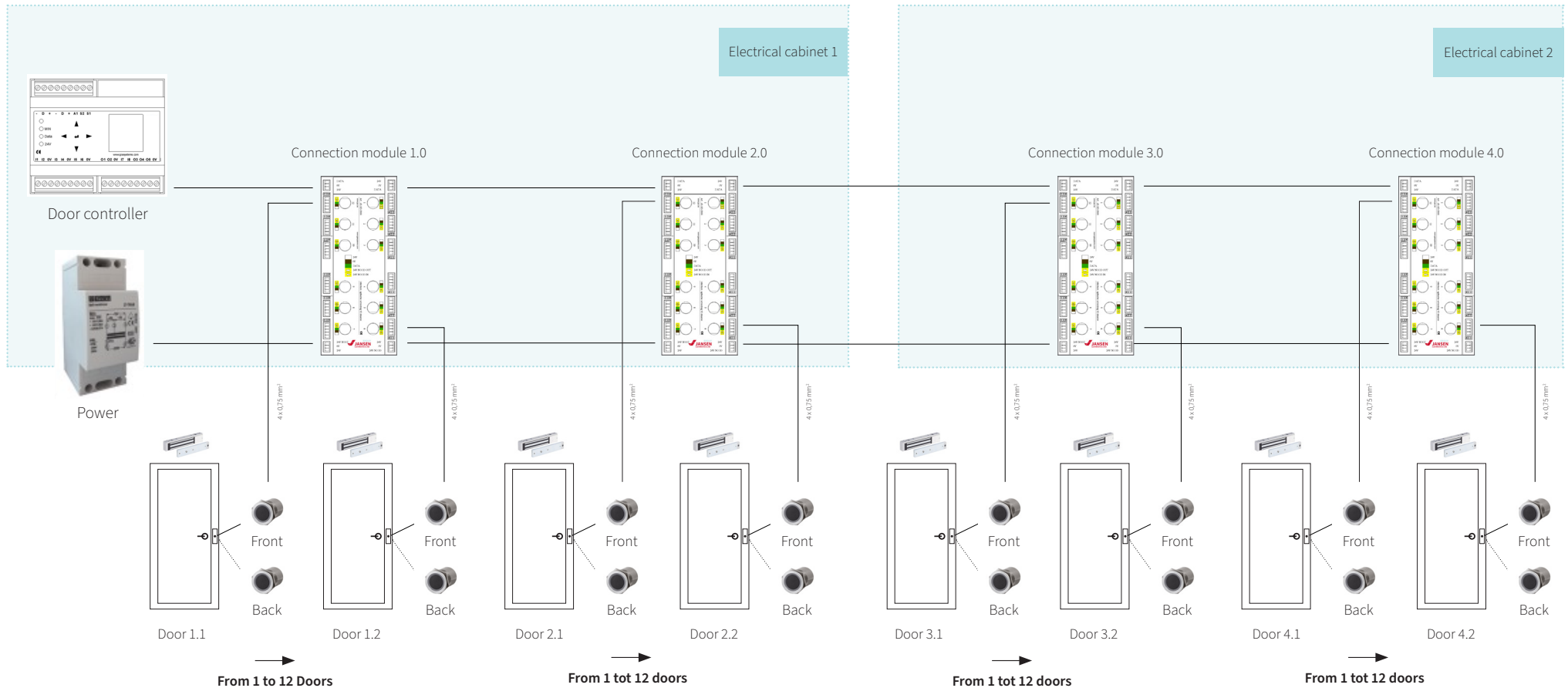
Interlock principle scheme 2 or 3 doors



Interlock principle scheme 24 doors



Interlock principle scheme 48 doors





ABOUT JANSEN CLEANROOMS & LABS

Turnkey solutions

We specialize in providing comprehensive solutions for the design, engineering, construction and maintenance of cleanrooms, laboratories and operating theaters that meet the highest industry standards.

Modular and customized solutions

We also offer cleanroom and laboratory furniture as well as modular systems that are flexible, expandable and durable, allowing them to easily adapt to changing conditions and growing needs. Our customized solutions are designed to perfectly meet each customer's specific requirements.

Expertise

With our extensive expertise, we provide efficient, reliable and high-quality solutions for cleanrooms and laboratories, where we constantly strive for innovation and sustainability.



END-TO-END PARTNER

Modular solutions, furniture,
Fume hoods



EXPERTISE

+25 years in cleanrooms & labs
+125 years in furniture



COLLABORATIVE APPROACH

Customised solutions



CULTURE OF EXCELLENCE

Quality & reliability

HEALTHTECH | HIGH-TECH | AEROSPACE | CHEMTECH | FOOD | EDUCATION



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