

For fast access

1.) Mechanical installation

Increase the GENIUS lock recess at the top near the power cable by approx. 15 mm.
Install cylinder in accordance with DIN 18252.

CAUTION: Metal filings at the connecting terminals of the GENIUS System may damage the internal electronics.
GENIUS systems with the convenience feature (CA/CB only) do not have openings for door-handle rose bolts.

2.) Connections GENIUS type B

Connections	Function
A, B, C, D	Connection for the IR sensor which carries IR signals to the GENIUS door lock switch
B, C, D, 2	Connection of KFV finger scanner
0, 1	Mode switch Day/night mode
2, 3	Operating voltage 24V DC Terminal 2 = + positive Terminal 3 = - negative
4	External unlocking signal. If +24 VDC is supplied to this terminal for ≥ 1 sec., then an opening cycle is performed in both operating modes
7	Lock status indication. The desired state is selected by the rotary switch (optional signal output max. 20mA)

3.) Operating mode:

Switch position up = day mode
Switch position down = night mode

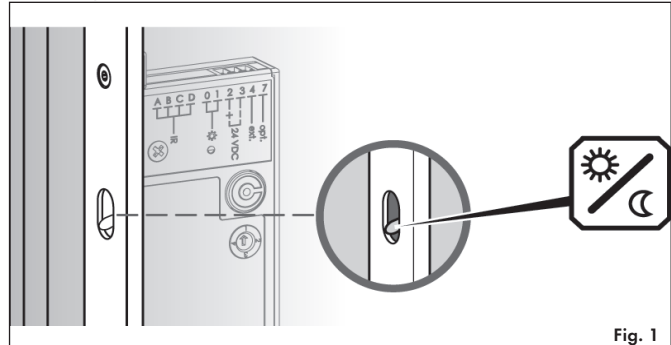


Fig. 1

4.) Detection of open/closed door:

Install the sensor centrally (± 1 mm) to the reed sensor.
Max. distance 4 mm (± 3 mm)

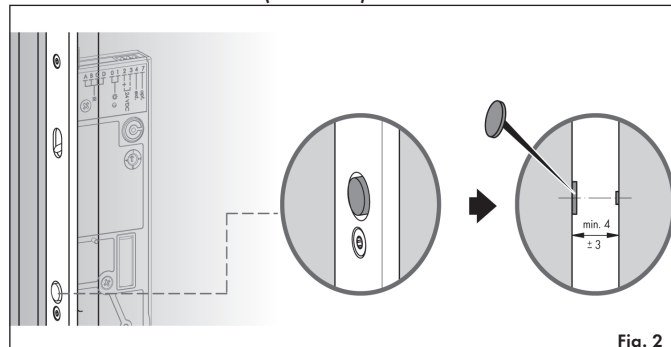


Fig. 2

5.) Rotary switch (optional signal outputs)

Terminal 7; open collector; max. load 20 mA; isolated due to coupling relay 24V (KFV accessory).

Position	State	Notes
	The lock is fully locked and the door is closed.	<ul style="list-style-type: none"> For use in combination with alarm systems. > Terminal 7 is connected to negative (-) ground.
	The door is closed	<ul style="list-style-type: none"> For use in combination with doorman monitoring. > Terminal 7 is connected to negative (-) ground.
	The latch is pulled into the cylinder operated lock	<ul style="list-style-type: none"> For use in combination with a revolving door motor. > Terminal 7 is connected to negative (-) ground.
	A connected alarm system can be activated or deactivated	<ul style="list-style-type: none"> Control with 2-channel infra-red access key* In order to keep the alarm system activated in the event of a power failure, the terminal is connected to negative/ground when the alarm is deactivated. > Alarm deactivated = terminal 7 = negative - relay on > Alarm activated = terminal 7 = high resistance - relay off The relay break contact must be used to switch on the alarm system.

* See GENIUS operating instructions for details on controls

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6.) Wiring diagram GENIUS door lock type B

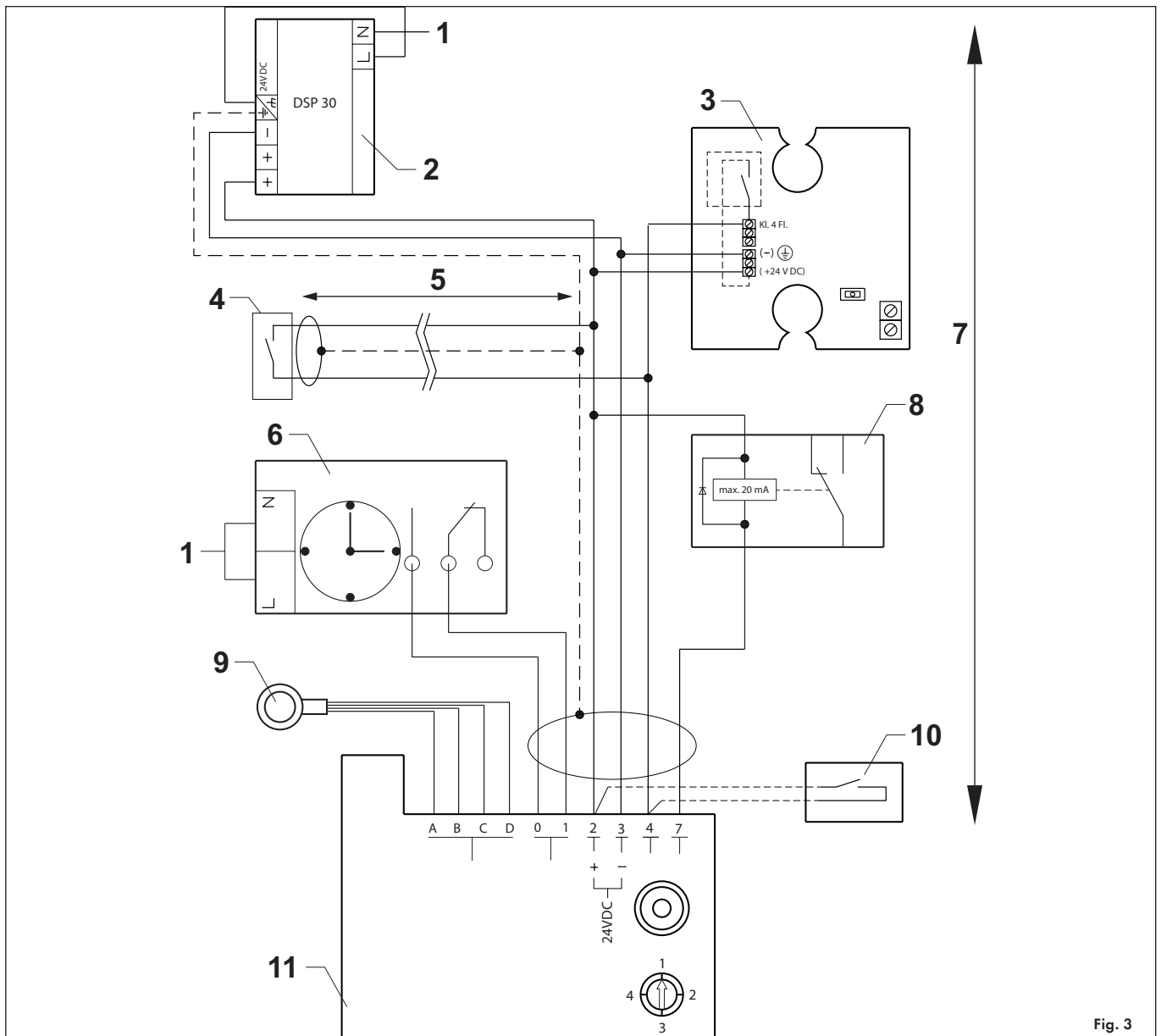


Fig. 3

Position	Description
1	Supply cable 115 / 230 V AC (L; N; PE)
2	Power supply
3	Wireless receiver (optional)
4	External unlocking feature (optional)
5	Max. line length 50 m (external unlocking feature)
6	Timer (optional)
7	Max. line length 13 m (from GENIUS door lock to power supply)
8	Coupling relay 24V DC (optional)
9	Infra-red eye (optional)
10	Internal release push-button (optional)
11	GENIUS door lock type B

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For detailed information and safety notices please refer to the GENIUS assembly and operating instructions.