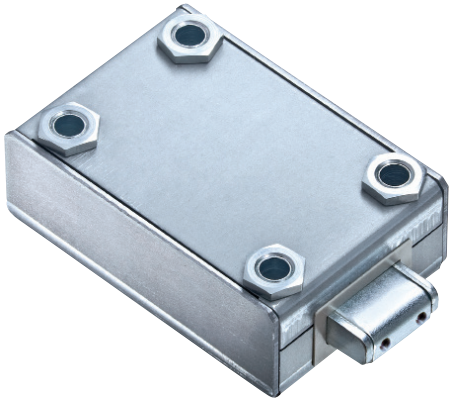


Installation instructions

Remote 3000 / 3010



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1 General instructions

- Please read the operating instructions carefully, before activating the lock.

1.1 Liability notes

- The mounting of the electronic lock has to be carried out according to the installation instruction.
- By opening the lock case and by exceeding the thresholds, the manufacturer’s warranty will be void.
- The electronic lock has to be protected against external attacks.
- Do not insert any lubricants or other substances into the electronic lock.
- Only controlled mains adapters may be used for power supply.
- Durable operation with increased bolt load shortens the operating life of the lock’s mechanics.

2 Lock installation

The electronic lock has got standard fixing points and can be mounted in all 4 directions (right-hand, left-hand, up, down). In order to fix the electronic lock, 4 threaded holes M6 have to be drilled according to the figure below.

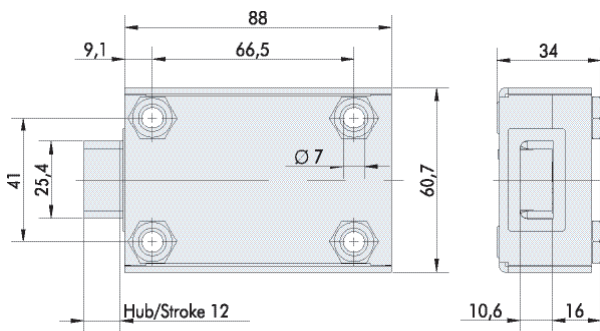


Fig. 1: Installation dimensions Remote 7219

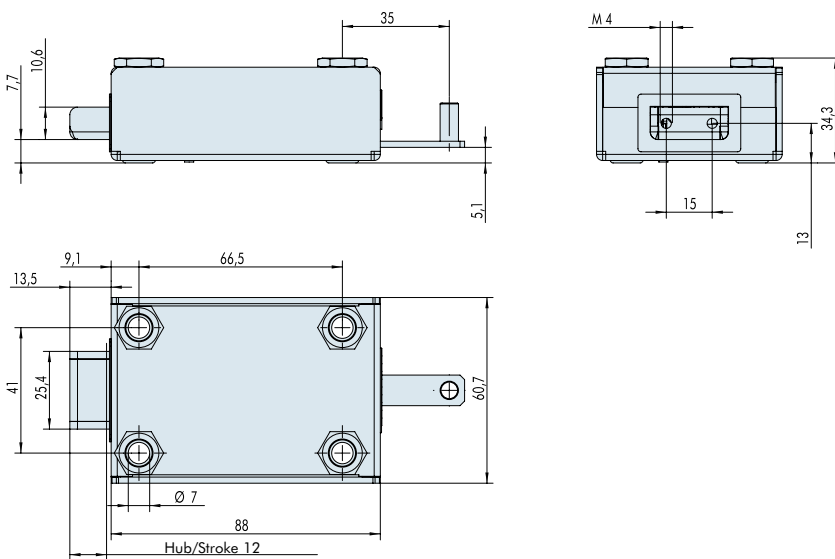


Fig. 2: Installation dimensions Remote 7219 with optional mech. opening

2.1 Installing the lock

- The electronic lock has to be fixed with 4 x M6 screws in the prepared drillings in order to ensure a permanent hold.
- An independent loosening of the screws has to be avoided. It is recommended to put lock washers underneath the screw's head. To avoid malfunctions, turn the screws with a maximum turning force of 3.5 – 5 Nm.
- After the installation the lock's bolt may not be loaded. The maximum bolt load is 2.5 N.
- The electronic lock is maintenance free in normal domestic and office surroundings. After approx. 10,000 closures it is recommended to carry out a security and functional test of the electronic lock.

2.2 Connection external control/lock

- Plug single conductors cable into the connecting terminal plate on the lock from/to the external control and check fixing (see fig. 2).
- Ensure enough traction relief to the signal lead.
- To loosen single conductors push in the corresponding clutch fork (orange) with an appropriate tool.
- Keep cable away from sharp edges and moving boltwork components and fix it permanently.

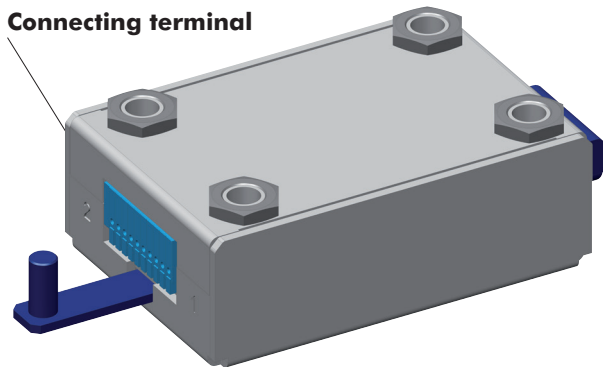


Fig. 3: Connecting terminal plate electronic lock



Fig. 4: Stripping length

3 Schematic

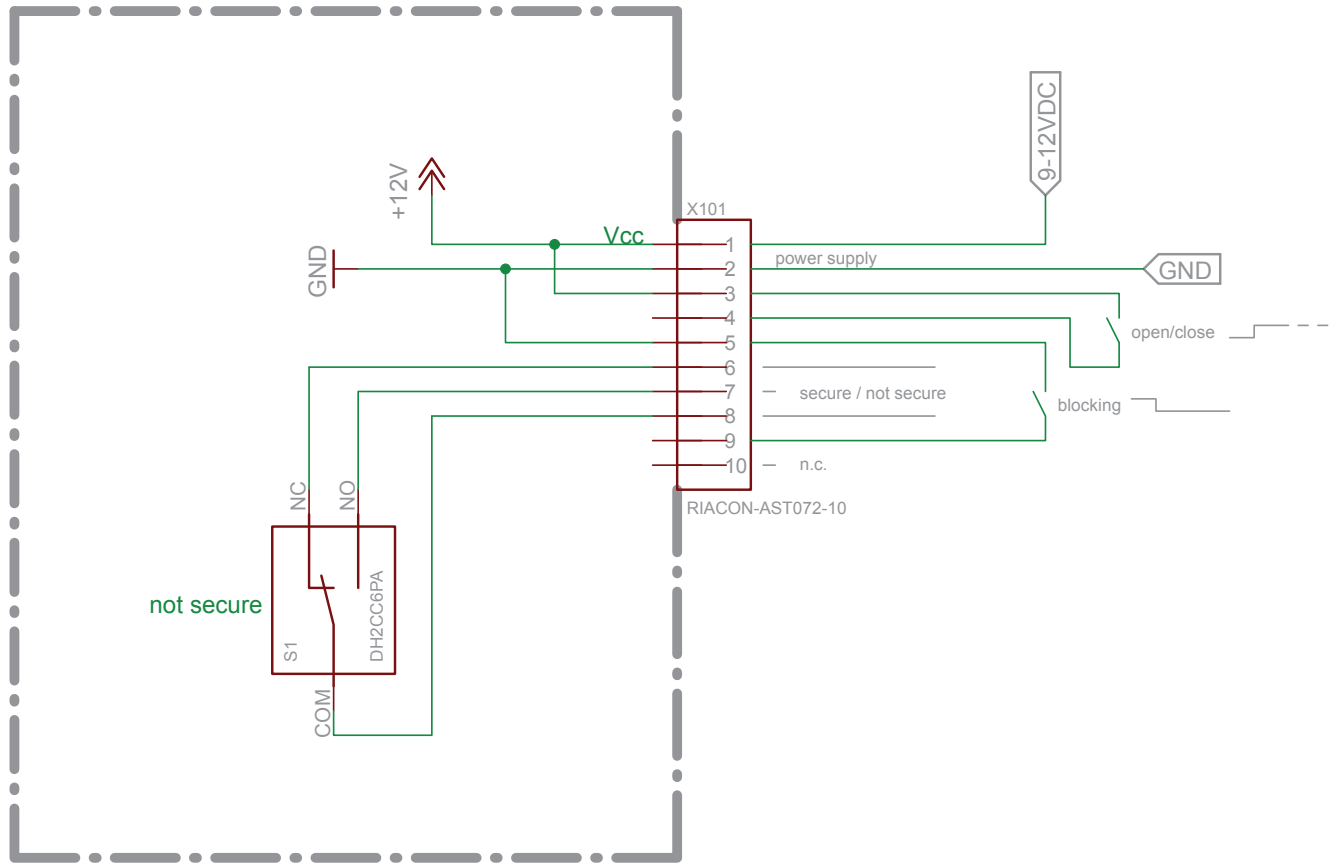


Abb. 4: Schematic

4 Terms and definitions

Pulse mode:

A closed lock can be opened by a single impulse and closed again by a succeeding one.

Hold mode:

If the opening signal is not turned off before the bolt reaches the opening position, the lock stays opened until the signal is removed again. When the signal is then removed, the lock closes automatically.

Opening and closing is carried out by a signal input. The lock can be operated in pulse or hold-mode via this signal input.

5 Technical data

Technical data		
Dimensions lock (mm)		BxHxT, see fig. 1 page 2
Material		zinc plated steel sheet
Ingress protection		IP30
Temperature (°C)		5-40
Rel. humidity (%)		10-75 % not condensating
Operation conditions	(standby *1)	supply voltage 12VDC, only power supply without any control contacts
	(load *2)	7.5 N bold force, supply voltage 12VDC
	(bold blocked *3)	supply voltage 12VDC
Power supply		
Voltage	(Vcc)	9-12 VDC +/- 10%
Current consumption	(standby *1)	typ. 1 µA
	(load *2)	< 300 mA
	(max. *3)	< 700 mA
Current consumption control inputs		
- Open/close (mA)		< 0.5 mA
- Blocking (mA)		< 0.1 mA
Voltage levels control inputs		
- Open/close		5V – 12 V (max. Vcc)
- Blocking		0-5 V
(always with reference to ground)		
Output		5-500mA@30V
- „Secured“		(data sheet Cherry DH)
Terminal block wire gauge		0.13 – 0.5 mm ² respectively AWG 26-20

- The blocking input allows to inhibit lock openings. Closing or accordingly extending the bolt, is still possible.
- The lock electronically checks at the beginning of every opening cycle, whether a blocking signal is active. To combine multiple locks like a double door system, only one common signal line is necessary (easier cabling).
- The condition „secure“, when the bolt is in closed position and retained, is signaled by switching contacts directly connected to the terminal block (dry-contact).

6 Functional test (when the door is open)

- Carry out a functional test after installing the lock.
- Trigger the control signal.
- The lock bolt moves in automatically (has to happen easily). The lock is opened.
- After triggering another control signal (pulse mode) or after switching off the control signal (hold mode) the lock bolt moves out automatically and locks. The lock is closed.
- Keep enough clearance to the locking point.