

Welcome to use ANVIZ products. Please read this manual carefully before installation in order to protect your rights and interests away from damage, and consult with the seller or the manufacturer in case of any problems.

Applicable scope: The electric bolt lock is applicable for office buildings and door frame at entrance of residence community.

Advantage: Built-in installation with elegant appearance. The electromagnet selects the high quality magnetic materials and professional magnetic processing craftsmanship, ensure it has no residual magnetism under working conditions for a long time, combined with electron, machine and mechanical principle design, be low current and prevent the electric component accelerated aging, ensure its stability and reduce failure rate.

Opening mode: 180 degrees, holding force up to 1300 lb/600kg.

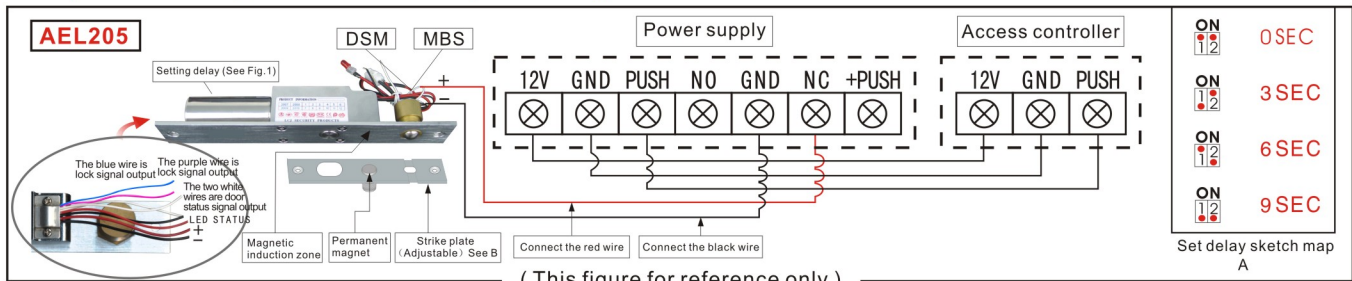
Electrical specifications and others: User can select appropriate products with different models and functions based on the following table.

Customization is available according to users' requirements.

Model No.	Lock size (mm)	Voltage (DC)	Current (mA)		Operation	Door signal (DSM)	Lock signal (MBS)	Position ball	Lock time delay
			Working	Continuous Duty					
AEL200	L200×W35×H38	12V ±10%	350	350	Fail Safe, locked when energized, magnetic induction				NO
AEL201	L200×W35×H38	12V ±10%	650	250	Fail Safe, locked when energized, magnetic induction	YES			0,3,6,9 seconds adjustable See Fig.1: See A
AEL205	L235×W35×H38	12V ±10%	650	250	Fail Safe, locked when energized, magnetic induction	YES		YES	0,3,6,9 seconds adjustable See Fig.1: See A

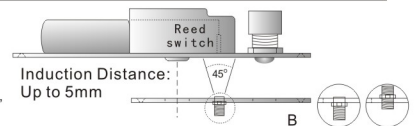
Wiring manual:

- 1. Power Supply:** Red wire is the positive (+) input end and shall be connected to positive end. Black wire is the negative (-) input end and shall be connected to negative end of the power supply (12VDC)
- (1) Door signal:** (2 wires - conventional, factory standard) Door signal: Two white wires are door signal, open status for the NO (normally open) output. Over the door status signal flows when the input voltage is 12VDC 300mA, remember not to overload; connected to the central control room can monitor the lock opening and closing status.
(2) Door signal: (3 wires - unconventional, customized) Door signal: To open the door status as standard, the green wire for the COM (common wire); the blue wire for the NC (normally closed); orange wire is NO (normally open), limited current of door status signal is 300mA when the input voltage is 12VDC., remember not to overload; connected to the control room can monitor the lock open and closed status.
- (1) Lock signal:** (2 wires - conventional, factory standard) To open the door status as standard, the purple wire and the blue wire output NO (normally open); Purple wire and brown wire output NC (normally closed); 2 wires signal wire. (NO / NC can only choose one), limited current of lock status signal is 300mA when the input voltage is 12VDC, remember not to overload; connected to the control room can monitor the lock open and closed status.
(2) Lock signal: (3 wires - unconventional, customized) To open the door status as standard, the purple wire is COM (common line); brown wire is NC (normally closed); light blue for the NO (normally open), limited current of lock status signal is 300mA when the input voltage is 12VDC, remember do not overload;
- 4. LED lamp indicates working status of lock and turns right when energized**



A. Lock time delay: 0/3/6/9 seconds adjustable
Lock time delay adjustment range 0,3,6,9 seconds (factory default is 0 seconds).
When Electric Bolt Lock sensing permanent magnet near, after (lock time delay) the latch pop-up, the intention is to just close the door still in the sway state, allows the door leaf perfectly still, the power plug point start locking the lock before they take action.

B. Adjustable strike plate
The series of electric bolt locks are based on the permanent magnet and reed switch to detect door leaf position, and then start the latch bolt locking action. Adjust the induction distance according to the distance between door leaf and door frame. The ball plunger is to help the door leaf on the property position, so that the latch bolts locked right.



Standard Packing list:

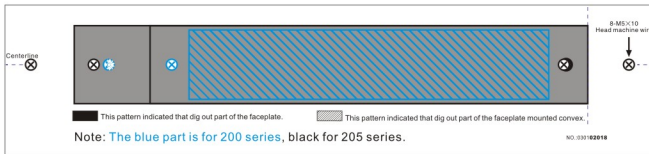
Serial No.	Items	Specification	Quantity	Unit	Remarks	
1	Lock body	L(A)XW(B)XH(C)	1	PC	See Table 1	
2	Strike plate	L(F)XW(G)XH(H)	1	PC	See Table 1	
3	Decoration faceplate	L(K)XW(L)XH(M)	1	PC	See Table 1	
4	Fittings	Wood screws	M4X21	5	PCS	Applicable for wooden doors to fix lock and strike plate
		Machine screws	M5×10	5	PCS	Applicable for metal doors to fix lock and strike plate
5	User manual/Installation drawing		1	PC		
6	Certificate		1	PC		

Optional accessories:

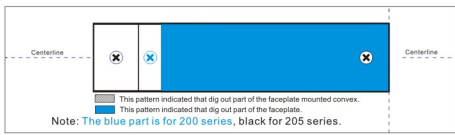
Serial No.	Series	AEL200	AEL201	AEL205	Applicable Range	Remarks
1	Auxiliary bracket	Upper bracket	PZEC200	PZEC201	PZEC235	For upper frameless glass door
		Down bracket			PEL205	For down frameless glass door
2	Side mount bracket				For hollow door or hollow frame	If the glass door and door frame are without frame, the distance between glass door and door frame is not less than 7mm; if the glass door without frame, the distance between glass door and door frame is not less than 4mm.

- Precautions:**
1. Installation shall be conducted according to the User Manual and the installation procedures. Cut off the power during installation and wiring. Do not carry out wiring with power connected.
 2. Select qualified power source and wires to avoid out of service of the lock due to abnormal power supply. It is recommended to connect the lock to the power source.
 3. Make sure the installation position is proper and firm. Otherwise, the bolt will lock improperly and the lock will produce heat, leading to shortening of lock service life.
 4. If the lock fails to work after the power is connected, check whether the permanent magnet is aligned to the magnetic induction field (see B) and check connection correctness of the electric circuit & power source. If the multimeter is used to measure the load, make sure that voltage at lock power input shall not be less than 12VDC.

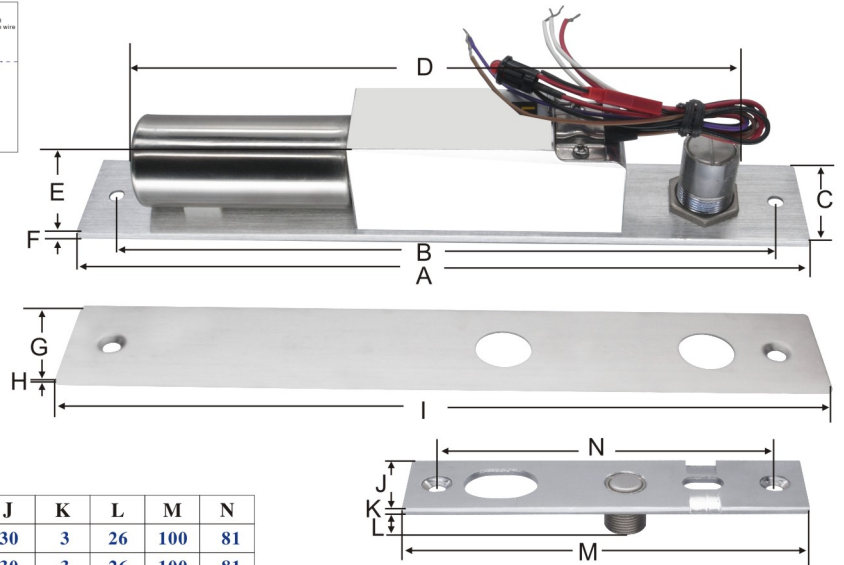
Dimensions drawing of Electric Bolt Lock, Decoration Faceplate and Strike Plate



Electric bolt lock tab



Strike plate tab



Units: mm

Series	A	B	C	D	E	F	G	H	I	J	K	L	M	N
AEL200	200	184	35	166	35	3	40	1	210	30	3	26	100	81
AEL201	200	184	35	166	35	3	40	1	210	30	3	26	100	81
AEL205	235	219	35	201	35	3	40	1	245	30	3	26	130	111

(Table 1)

Diagram of Solid Doors Installation Procedures

<p>Step 1. Make sure the door is closed properly. Then decide the center line and mark on the door frame and door leaf.</p>	<p>Step 2. Keep the center line of tab and door frame aligned, and then attach the tab on it.</p>	<p>Step 3. Use drilling tool to drill holes on corresponding location according to the type of electric bolt lock.</p>
<p>Schematic diagram</p>	<p>Schematic diagram</p>	
<p>Step 4. Fix the electric bolt lock and the decoration faceplate on the door frame based on the holes.</p>	<p>Step 5. Decide the center line according to the door, bolt lock, and latch bolt. Then attach the tabs on the door.</p>	<p>Step 6. Use special drilling tool to drill holes on corresponding strike plate according to the type of electric bolt lock.</p>
<p>Schematic diagram</p>		
<p>Step 7. Fix the strike plate on the door leaf with screws.</p>	<p>Step 8. Keep latch bolt center line and center line of strike plate bolt holes aligned.</p>	<p>Step 9. Installation is finished. A universal solid door installation template is shown above.</p>