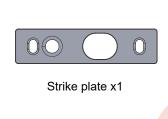
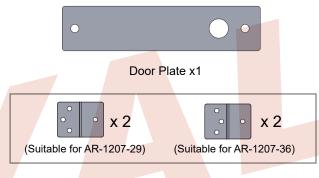


Content AR-1207A/B-/29/36 **Specification Features** Voltage: DC12V-24V Product [Electric Bolt Lock] Built-in door position status output Current Draw: 1A(12V) / 0.5A(24V) to indicates door opened or closed Power Saving Mode: 220mA (12V) position [Door Status] • / 110mA (24V) Built-in Bolt status output to Operating Temperature: -20°C ~ +65°C Indicate locked or unlocked bolt Locking Mode: Type A (Fail Safe) status [Bolt Status] Type B(Fail Secure) Built-in bolt tamper-resistant Dropbolt Length: 16 mm indicator and alarm output contact • Dimension: [Alarm] AR-1207/29: 200Lx32Wx32H (mm) Support all range voltage DC12V~24V AR-1207/36: 205Lx32Wx32H (mm) Time delay option 0 / 3 / 9 seconds Solenoid Test: Over 500,000 times Weight: 500g **Product Information** Lock installation parts





Extending Plate (small) x2



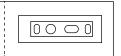
Extending Plate (big) x2



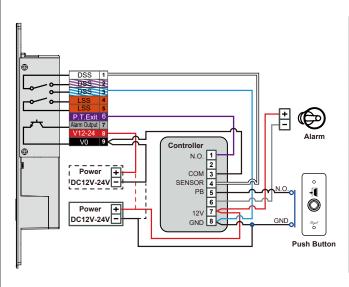




Installation Template



Wiring Diagram



Wiring Table: CN1

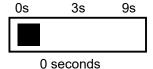
Wire Application	Wire	Color	Description
500	1	White	Door Sensor Status (COM)
DSS (Door Sensor Status)	2	Purple White	Door Sensor Status (N.C.)
	3	Blue White	Door Sensor Status (N.O.)
LSS (Lock Sensor Status)	4	0	Micro switch volt-free contact output.
	5	Orange	Door locked short circuit, door unlocked open circuit
P.T.Exit (Push to Exit)	6	Purple	Negative Trigger Input
Alarm Output	7	Gray	Transistor open-collector output, Max 24V/110mA Alarming output LOW, normal status or power fail high impedance
Power	8	Red	Power DC 12-24V
Fower	9	Black	Power DC 0V(GND)

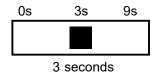
Manual

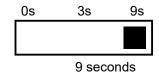
Time Delay

Time Delay option: 0, 3, or 9 seconds

Time Delay adjustment







Functions Mode

- **1.Standby Mode:** If you close the door under the standby mode, the system will receive an induction and the time delay (0/3/6/9 sec.) will start to count, and then the auto-detective function will execute the following movements:
 - 1) If door is opened within the time delay countdown, the bolt will automatically retract and the systems will return to standby mode.
 - 2) If door is closed after the time delay countdown, the bolt will automatically extend into the "Detecting lock" and may execute the following steps.
 - 3) After "Detecting lock" is done (system will received an induction of "Locked well"), and will stay locked.
 - 4) When "Detecting lock" is done but the bolt can 't proceed to lock, it will enter "Fail to lock" mode, users can see light indicator or listen to the warning buzzer, then push the door into the right position to lock.

 When entering "Keep locking" mode, it will automatically relock for every 2 seconds, and when indicating "Locked well" mode, it will enter power saving mode.
- **2.Unlock Mode:** In Lock mode, when pushing the exit switch, The bolt will automatically retract, after 3 seconds, if the door is closed, the time delay (0/3/9 sec.) will reset and count and execute the following functions.
- 3.Forced Entry (alarm): when system is detecting error status or forced entry signal, alarm will be activated.

Status Indicators

Bolt and LED identification as following chart

Indicators	LED Indicator	Door Status	Bolt Status
Standby (waiting for locking)	LED lights up RED	Open	Open
Door Locking Time Delay	RED and GREEN LED flash alternately, flash continuously every 0.5 second	Close	Open
Locked Well	LED lights up GREEN	Close	Close
Fail to Lock	RED and GREEN LED flash once every 0.2 second	Close	Open
Keep Locking	Locked once every 2 seconds	Close	Open
Abnormal Door Status or Bolt Status	Flashing RED LED	Trigger	Trigger

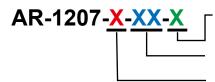
Troubleshooting

- 1) After "Fail to lock", the bolt will enter into "Keep locking" mode and relock once every 2 seconds. It will keep flashing red LED until the door is in correct position and completely locked, it will turned into green LED and will enter power saving mode. If the door status signal is turned off, it will flash red LED and enter standby mode.
- 2) When forced entry is occurring and break open the lock tongue, it will send alarm signal and will quick flash red LED, until a personnel come back and review it.
- 3) Please check V(+) and V(-) wiring when LED doesn't light up.
- 4) It is suggested to use 12V 1000mA or more for power supply. If the power supply is insufficient, the drop bolt possibly keep projecting and retracting.



Installation

Ordering Model Name Description



F or N/A with/without Euro-Profile Cylinder -----

F: with Euro-Profile Cylinder

N/A: without Euro-Profile Cylinder

A/B Fail-Safe / Fail-Secure ------ A: Fail-Safe / B: Fail-Secure

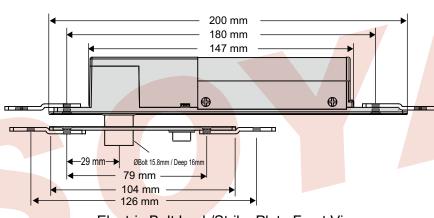
Dimension and Diagram

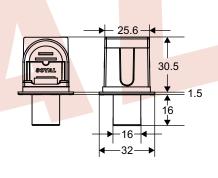
	AR-1207A/B-29	200(L) x 32(W) x 32(H)	Bolt size (mm)	Adjustable up to 16mm
Lock Size (mm)	AR-1207A/B-36	205(L) x 32(W) x 32(H)	Bolf diameter	16mm diameter (stainless
				steel lock bolt)
Strike plate (mm)	AR-1207A/B-29	104(L) × 25 5(M) × 5(H)	U-shaped Plate (mm)	(With additional purchase)
	AR-1207A/B-36	104(L) X 23.3(VV) X 3(H)		

AR-1207A/B-29 Dimension - - - - - -



Electric Bolt Lock Vertical View





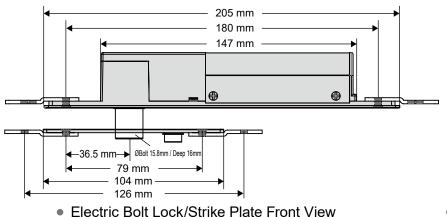
Electric Bolt Lock/Strike Plate Front View

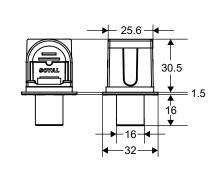
Electric Bolt Lock Side View

AR-1207A/B-36 Dimension



Electric Bolt Lock Vertical View



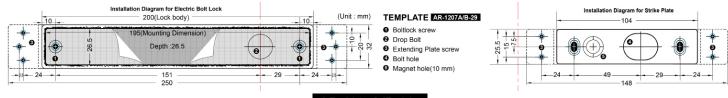


Electric Bolt Lock Side View

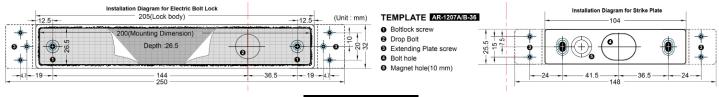
Installation Template

According to the purchased lock model, attach the supplied installation template on the installation position.

Installation Template Dimension

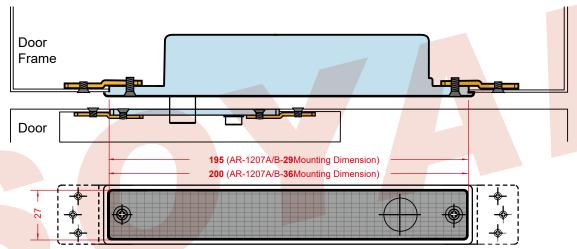


AR-1207A/B-29

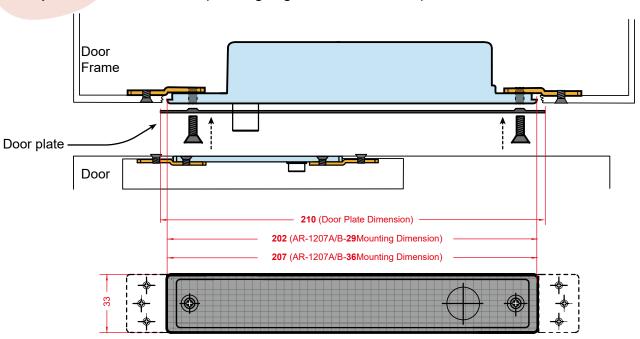


AR-1207A/B-36

Non-Door plate installation method (precision cutout)



Door plate installation method (allowing larger cutout tolerances) -

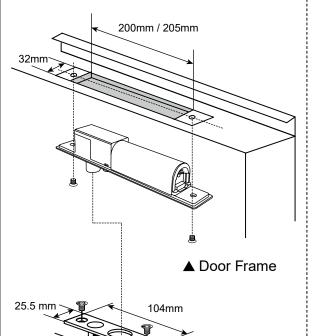


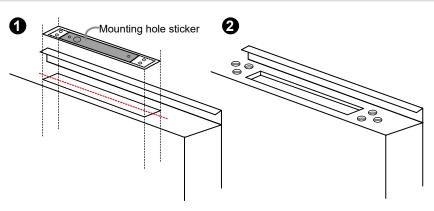


Installation Instruction

Electric dropbolt Lock body Installation Reference

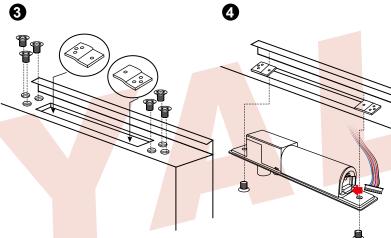
Mortise Mount Installation –
 Suitable for hollow metal door





STEP 1: Mark the Ceterline position on door frame, mark cutting size , attach the supplied Lock Body installation template on the installation position

STEP 2: Cut screw hole according to the mark position



STEP 3: Install two big extending plates (
please notice the position and direction of
mounting)

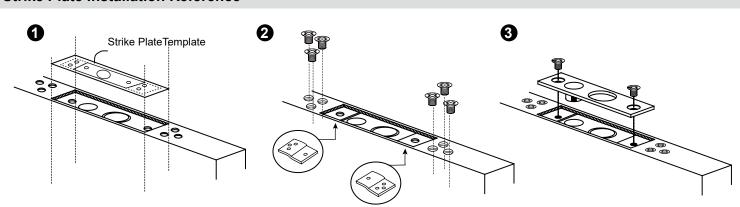
STEP 4: Play the cables from the accessory kit into the cable socket and wire with the related devices according to the required functions; after pushing the cables into the inside of door frame, power on the lock and test.

Strike Plate Installation Reference

▲ Door leaf

shown as below)

(Detail installation steps



STEP 1:Attach the mounting strike plate templateon the installation position · cut by the template instruction and drill screw holes.

STEP 2 :Install two small extending plates (please note the position and direction of mounting)

STEP 3: Align Strike plate with screw holes, screw Strike plate to finish the installation.



Installation Instruction

Install Lock body with external Bracket box

STEP 1: Install the external bracket box, mark the screw hole position on door frame, drill screw hole and fix bracket box with screw.

STEP 2: Place electric dropbolt body from bottom into the external bracket box; screw and finish.

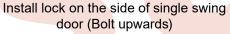
Install Strike plate with external bracket box

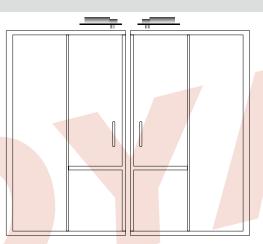
STEP 3:Install strike plate, mark screw hole on door frame; drill screw hole and fix bracket box with screw.

STEP 4:Place strike plate from top into the external bracket box; screw and finish.

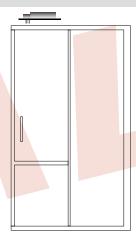
Installation Position Description







Install lock on the top of double swing door



Install lock on the top of single swing door

Troubleshooting

Problem	Possible Cause	Solution
Dropbolt is not activated when the door is closed.	The gap between the strike plate and the dropbolt lock is large .	Adjust the distance between the magnet strike plate and the reed sensor range in the lock body is within 10mm.
	No or Low voltage /current	Check whether the output power (voltage and the current) is enough Pull in power: 12W
Dropbolt repeats projecting action	Low voltage /current	Check whether the output power (voltage and the current) is enough Pull in power: 12W
	Dropbolt is not locked in the hole properly	Adjust the door closer or the door hinge to ensure the door closing in the correct position.
	Dropport is not locked in the note property	If the door hinge is failed to adjust, it is recommended to change double swing door to single swing door
		Sway the door to release the bolt to open the door.
Bolt cannot retract	Strike plate is misaligned	If the door hinge is failed to adjust, it is recommended to change double swing door to single swing door