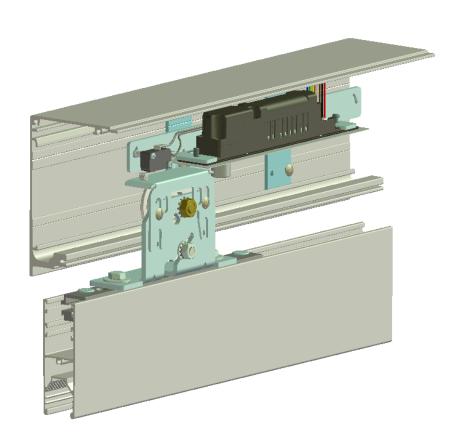
ELECTRIC BOLT LOCKS (FOR AUTO SLIDING DOOR)

AR-1203H SERIES

(Fail-Safe)(Power to Lock)

INSTALLATION INSTRUCTIONS



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I. Order Information

	Features & Functions				Additional Functions				
M/NO.	Power Input	Remote Release	ADSW	Time delay	Bicolor indicators	Auto-detective logical	LSS	Warning buzzer	Connect Bicolor
AR-1203H-L-12V	12VDC	0	0	0	0	0	0	×	×
AR-1203H-LA-12V	12VDC	0	0	0	0	0	0	0	×
AR-1203H-LC-12V	12VDC	0	0	0	0	0	0	×	0

II. Features & Functions

- A. Whole alloy housing
- B. Power Input: 12VDC (24VDC- Specify on order)
- C. Bicolor indicators
- D. Auto-relocking timer setting: 0, 3, 6, 9 sec. for door locking time delay self-regulating by 2-pin dip-switch.
- E. Built-in exit switch input to unlock (If connected with latch type of exit switch, the bolt lock will be as N.O. without activated till switch off.)
- F. Auto door signal (output) <ADSW>: Signal will trigger motor controls which in turn activate to open sliding door.

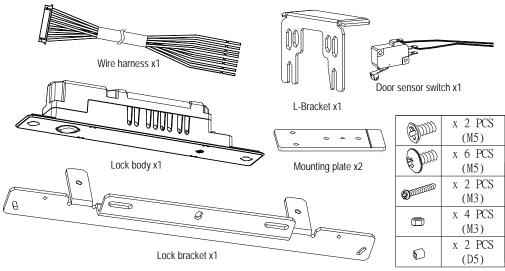
III. Additional Functions (See "I. Order Information")

- 1. Auto-detective logical MCU
- 2. Lock status sensor output (LSS): Indicates locked or unlocked bolt status (COM, NO, NC)
- 3. Warning buzzer: Indicates error status or forced entry. (BUZZER)
- 4. Capability to extend the bicolor indicator by external indicators about 50cm

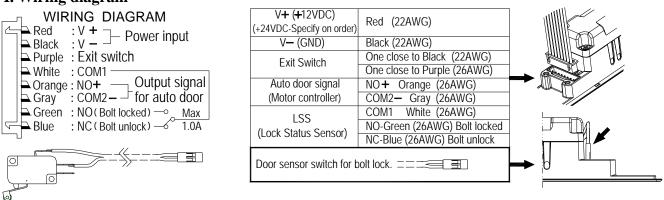
IV. Specifications (24VDC-Specify on order)

Item		Co	ontents	Remarks		
Power Input a	and Tolerance	12VDC	24VDC	Stable PSU recommended		
Current Draw	Pull in	0.98A	0.55A	Changeable by power input and higher outer temp.		
	Holding	0.24A	0.15A	Changeable by power input and higher outer temp.		
Surface Temperature		< 40 °C		Room Temp. 25 °C		
LSS		Max.30VDC;N	fax1A	COM,NO,NC		

V. Contents



VI. Wiring diagram



Caution: Please make sure the "+" and "-" wires are connected well and correctly before you apply a power source to the lock; Warning, Reverse polarity will make a short circuit and void products warranty.

VII. Auto relocking timer setting: 4 sets of timer-0, 3, 6, 9 sec. - set up by 2-pin dip-switch and apply for following situations.

· Setting up the auto relocking timer: (Default Value: 0 sec.)

0 sec. 3 sec. (Exit switch time delay)

0 sec. 3 sec. (Door locking time delay)
6 sec. 9 sec. (Exit switch time delay)

6 sec. 9 sec. (Door locking time delay)

VIII. Indicators-LED and BUZZER identification as following chart:

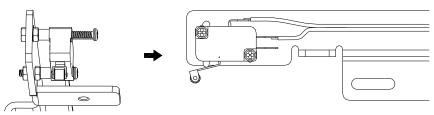
Indicators	LED	Buzzer
Waiting for locking	Red LED lights up	None
Door locking time delay	Green LED flashes once per second	None
Detecting lock	Red LED flashes once per second	None
Locked well	Green LED flashes once every two seconds	2 beeps per seconds
Fail to lock	Red LED flashes once per second for 10 seconds	1 beep per second for 10 seconds
Keeping locking	Red LED flashes once every two seconds for 30 seconds	1 beep every 2 seconds for 30 seconds
Forced entry (Alarm)	Green and Red LED's flash alternately every 0.5 sec. for 30 seconds	Keeps beeping for 30 seconds
Remote Release(Exit Switch)	Red LED flashes once per second for 3 seconds	1 beep per second

IX. System functions: By logical program systems to control the bolt lock; It has auto-detective functions including bolt fixed position, door locking time delay, locked well and forced entry (alarm) and remote release (exit switch). (*)-See "I. Order Information"

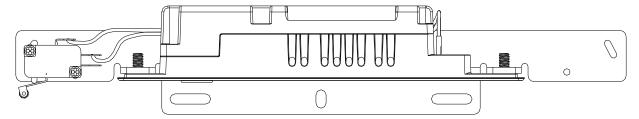
- **1. Standby** (Power on the system when door is open): If you close the door, the system will receive an induction and the time delay (0/3/6/9 sec.) will start to count, and then the auto-detective function will execute the following movements:
 - However, the period of time delay, if door is opened, the bolt will automatically retract and the systems will return to standby.
 - After a time delay (0/3/6/9 sec.), if door is closed, the bolt will automatically extend into the "Detecting lock" and may execute the following functions.
 - · After "Detecting lock" (or system received an induction of "Locked well"-(*)), the bolt will enter into an economical mode of electricity and locking will hold.
- (*) · After "Detecting lock", if the bolt is out and not in the right position-"Fail to lock", the bolt will automatically retract in 10 seconds. Meanwhile, the users can see bicolor indicators or listen to the "warning buzzer" and push the door in the right position, the bolt will automatically extend into an economical mode of electricity and locking will hold.
- (*) In "Fail to lock", after 10 seconds, the bolt will enter into "Keeping locking" mode and re-lock every 30 seconds, The users can see bicolor indicators or listen to the "warning buzzer", users must open the door and then closed it again in the right position, the bolt will automatically extend into an economical mode of electricity and locking will hold.
 - **2. Unlock** (In locking, push the exit-switch) "Remote Release": The bolt will automatically retract, (after 1 seconds, Auto door signal will trigger motor controls which in turn activate to open sliding door.) if the door is closed, the time delay (0/3/6/9 sec.) will reset and count and execute the following functions.
- (*)3. Forced entry (Alarm): Indicates an error status or forced entry, the system can increase the thrust of the bolt and an alarm bell given (30 seconds).

X. Installation Diagram:

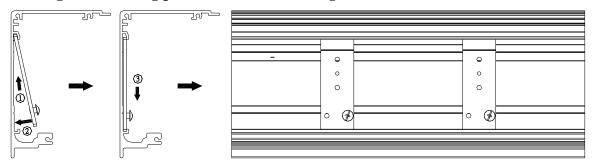
A. Assembling the door sensor-switch for bolt lock.



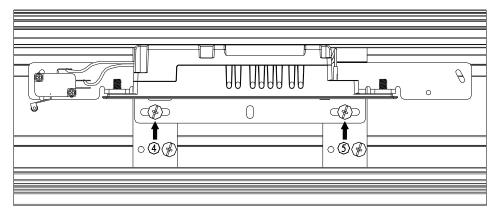
B. Assembling the bolt lock and lock-bracket and connect door sensor-switch.



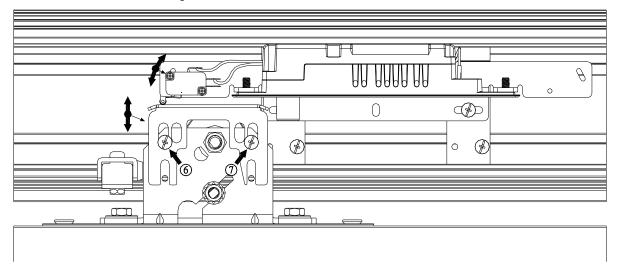
C. Assembling the mounting plate into the auto sliding-doors track-bracket.



D. Installs the bolt lock (B.)

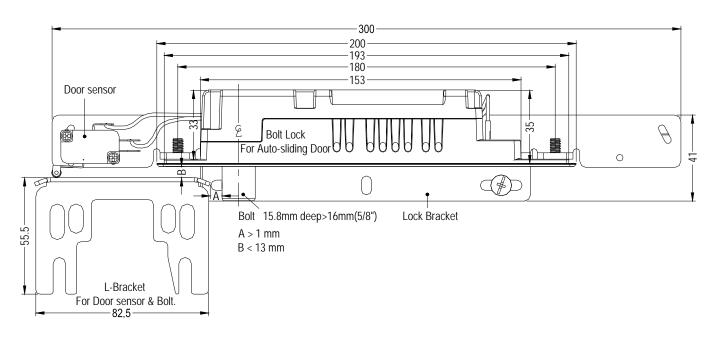


E. Installs the L-Bracket and adjustment of the door sensor-switch distance. (Press the switch to ON.)



F. Dimension

Bolt	Ø15.8 mm	Bolt Depth	16 mm (5/8")	Lock Body	150L×25.4W×33D mm
Cover(Eaves)	200L×32W×1.5T mm	Face plate	193L×25.4W×2T mm	L-Bracket	102.55L×25.4W×2T mm
Lock-Bracket	300L×41H×53.5D mm				



G. Installation Diagram

