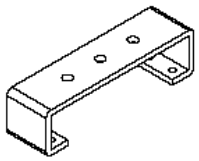
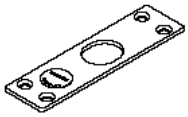
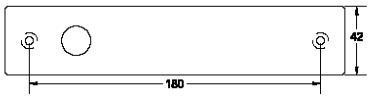
GV-EL202B Electric Bolt

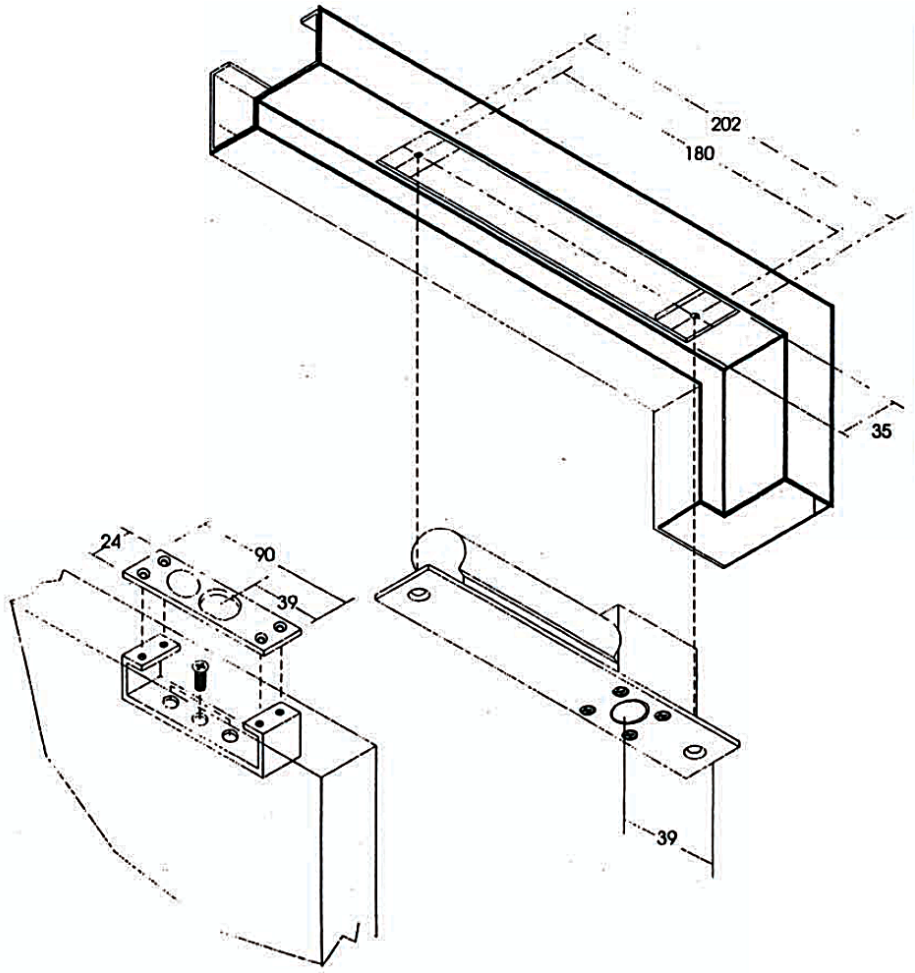
The GV-EL202B is an electric bolt, featured with a stainless steel faceplate and a built-in voltage spike suppressor. It supports lock sensor and door status sensor functions. The fail-safe electric bolt locks the door when the power is applied, and unlocks the door when the power is removed. It is suitable for double-leaf doors.

Packing List

1. GV-EL202B electric bolt x 1 	**2.** Base bracket x 1 
3. Base plate x 1 	**4.** Extension plate x 2 
5. M5 (15 mm) x 5 	**6.** M4 (11 mm) x 8 
7. Cover plate x 1 	

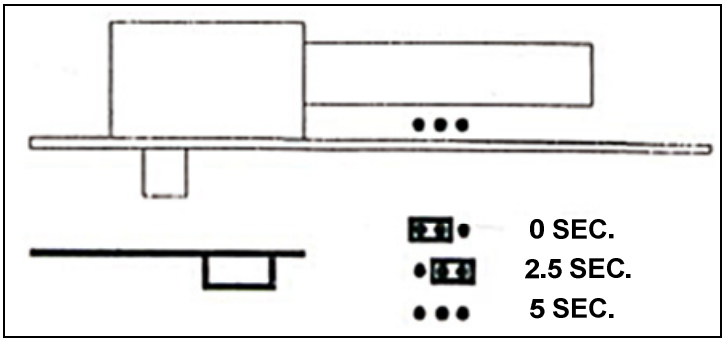
Installation

Refer to the following diagram to install the electric bolt:

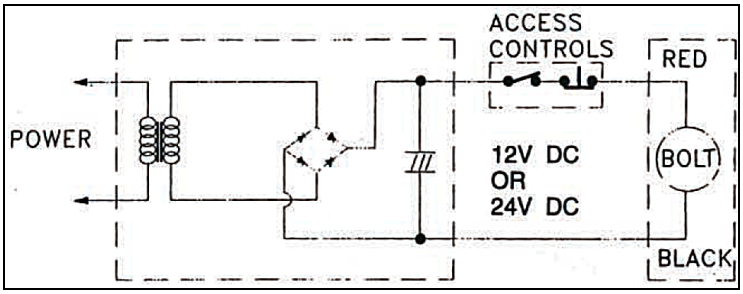


Auto-lock Time Delay Setting

Use Jumper inserted on the electric bolt to set a lock-delayed time, after which the door will automatically be locked. There are 3 options: 0, 2.5 and 5 seconds.



Wiring Instruction

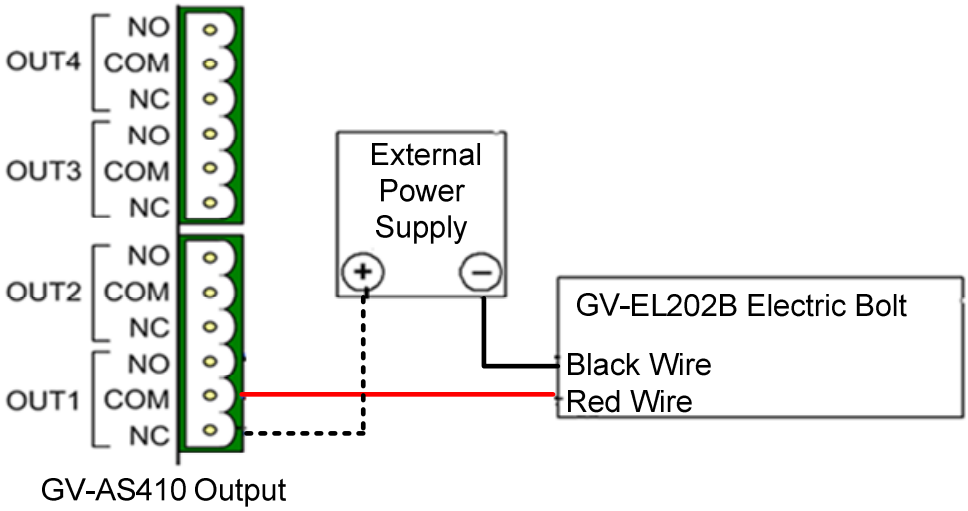


Wire Definition

	Wire	Definition
Electric Bolt	Red	Positive (+)
	Black	Ground (-)
Magnet Clasp Detection Sensor	Blue	NO
	White	COM
	Yellow	NC
Door Closure Detection Sensor	Green	NO
	Grey	COM
	Orange	NC

Connecting to Power

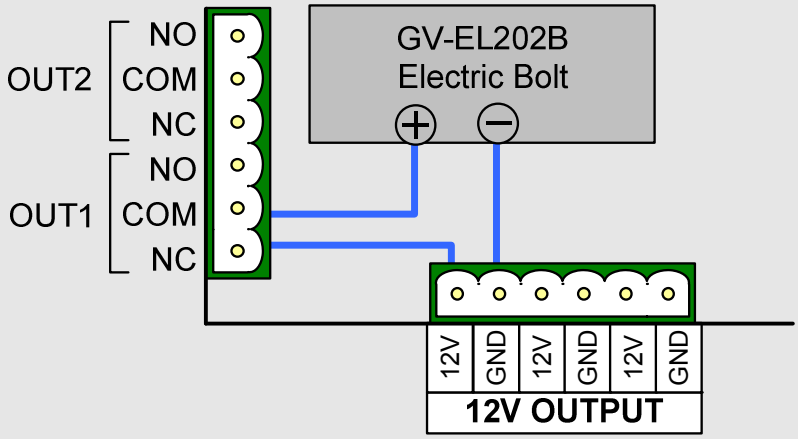
To connect the power between the electric bolt and the GV-AS Controller, refer to the diagram as below. Here we use GV-AS410 Controller as an example.



Connect the **Red** wire of the electric bolt to **COM** on GV-AS410, connect the **Black** wire of the electric bolt to the (-) point on the external power supply, and connect the (+) point on the external power supply to **NC** on GV-AS410.

Note:

1. It is required to connect an external power supply if the total power consumption of the output devices and readers connected to the GV-AS Controller exceeds **3A** (for GV-AS210 / 2110), **3.5A** (for GV-AS410 / 4110) or **5A** (for GV-AS810 / 8110).
2. You may use the power outputs on the GV-AS Controller when the total power consumption of the output devices and readers connected to the GV-AS Controller is under **3A** (for GV-AS210 / 2110), **3.5A** (for GV-AS410 / 4110) or **5A** (for GV-AS810 / 8110). Here we use GV-AS410 Controller as an example.



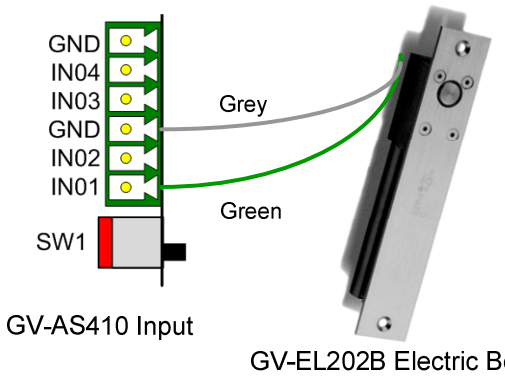
Connecting a Sensor to the GV-AS Controller

There are two types of sensors for the electric bolt: Door Closure Detection Sensor and Magnet Clasp Detection Sensor. The sensors will detect whether the door is closed tightly or not, and trigger a “Held Open” message on GV-ASManager when the door remains unlocked. To connect the sensors to the GV-AS Controller, follow the steps below. Here we use GV-AS410 Controller as an example.

Note: Only one type of sensor could be applied at a time.

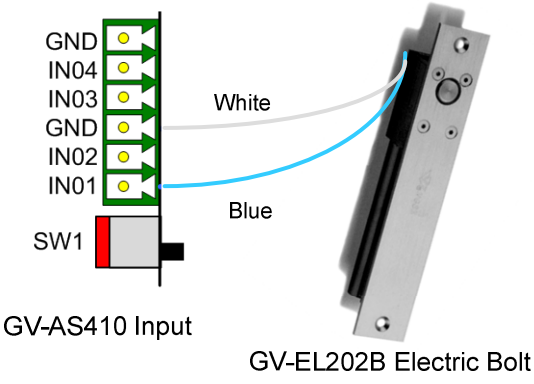
Option 1: Door Closure Detection Sensor

To connect the Door Closure Detection Sensor to the GV-AS410, connect the **Green** wire of the sensor to the **Input** of the GV-AS410, and connect the **Grey** wire of the sensor to the **Ground** of the GV-AS410.



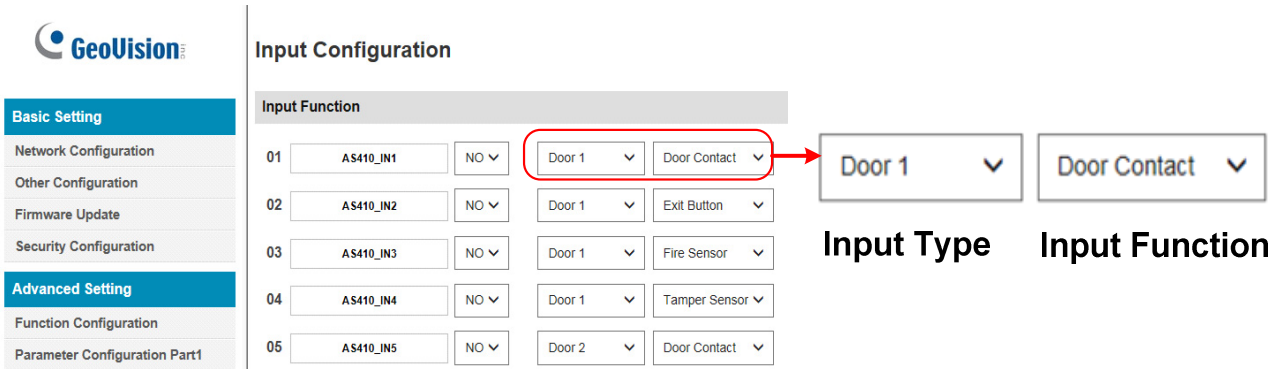
Option 2: Magnet Clasp Detection Sensor

To connect the Magnet Clasp Detection Sensor to the GV-AS410, connect the **Blue** wire of the sensor to the **Input** of the GV-AS410, and connect the **White** wire of the sensor to the **Ground** of the GV-AS410.

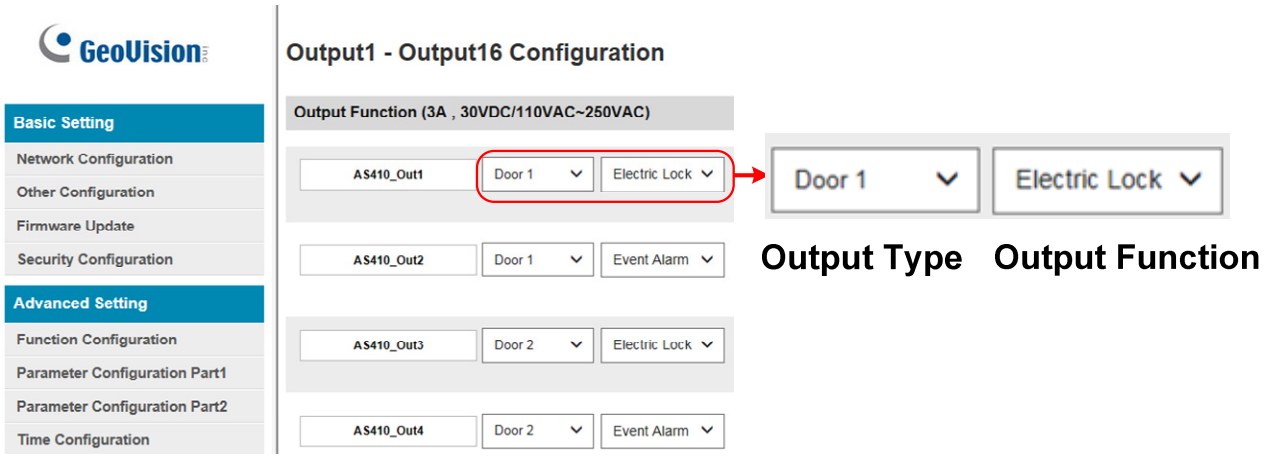


Setting the Web Interface of the GV-AS Controller

1. On the Web interface of the GV-AS410, select **Input Configuration** under **Advanced Setting**, and select an input type and input function for the connected sensor from the electric bolt.



2. On the Web interface of the GV-AS410, select **Output Configuration** under **Advanced Setting**, and select an output type and output function for the connected electric bolt.



For details on configuring the input and output devices, see the *Input Configuration* and *Output Configuration* section in Chapter 8 of the *GV-AS Controller User's Manual*.

Specifications

Voltage	DC 12V or AC 24V
Current	0.9A (start); 0.3A (standby)
Lock Sensor Switch Rating	1A at AC/DC 30V
Door Status Sensor Switch Rating	0.5A at AC/DC 30V (magnetic reed switch)
Auto Relock Jumper	0, 2.5 and 5 seconds (adjustable)
Operating Temperature	-20°C ~ 60°C (-4 °F ~ 140 °F)
Dimensions (L x W x H)	202 x 35 x 43 mm (7.95” x 1.38” x 1.69”)
Weight	0.9 kg (1.98 lb)
Certification	CE and UL

All specifications are subject to change without notice.