

# Standard Electric Bolts

1. Optical control techniques to prevent mechanical failure.
2. Ultra-low temperature design, less heat, safer and more durable. Momentary current conversion, electric bolt will start scouting low power consumption and low temperature conversion while Door position is not corrector with stands bolt. Photoelectric technology, reduce mechanical failure.
3. Ultra-low-power design, energy saving.
4. 500,000 times successful test.
5. Built-in reverse current preventing equipment.
6. Intelligent single-chip configuration, level three current applications.
7. High-strength aluminum alloy lock body, stainless steel lock head.
8. Product specification is complete for all types of door installation.
9. CE, ROHS & MA certificates.

## Electric Bolt Lock



Model: VAL-100A

Fixing: Embedded-mounted(vertical and horizontal)  
Version: Fail-unlocked  
Standard Functions: Low Temperature  
Diameter dead bolt:  $\phi$ 16mm,16mm  
Shear strength: 2000Lbs/800kg  
Rated Operating Voltage: DC 12V or 24V (Customization Available)  
Start Current: 960mA Standby Current: 130mA  
Face place material: High Aluminum  
Surface Temp: Low Temperature  
Ambient temperature in °C: -10°C - +55°C  
Face Plate Dimensions: 205Lx35Wx40H(mm)  
Strike Plate Dimensions: 90Lx25Wx2H(mm)  
Weight: 0.72kg

VAL-100B with delay.  
VAL-100C with door status signal output.  
VAL-100D with door status signal output and delay.  
VAL-100E 5 lines, with door status signal output and delay.  
VAL-100F with door & lock status dual signal output and delay.

## Automatic Electronic Lock



Model: VAL-120T

Version: Fail-unlocked  
Diameter dead bolt:  $\phi$ 16mm,16mm  
Shear strength: 2000Lbs/800kg  
Face Plate Dimensions: 205Lx35Wx40H(mm)  
Strike Plate Dimensions: 90Lx25Wx2H(mm)  
Weight: 0.72kg

## Electric Shutter Lock



Model: VAL-200T

Version: Fail-unlocked  
Diameter dead bolt:  $\phi$ 16mm,16mm  
Shear strength: 2000Lbs/800kg  
Face Plate Dimensions: 235Lx35Wx38H(mm)  
Strike Plate Dimensions: 130Lx30Wx2W(mm)  
Weight in kg: 0.96kg

## Narrow Frame Electric Bolt Lock



Model: VAL-300T

**Narrow panel designed for narrow door**

Version: Fail-unlocked  
Diameter dead bolt:  $\phi$ 13mm,16mm  
Shear strength: 1800Lbs/700kg  
Door Status Sensors: Dry contact NO,NC,COM  
Optional Functions: Relock Delay Timer,Buzzer  
Face place material: High Aluminum  
Surface Temp: Low Temperature  
Ambient temperature in °C: -10°C - +55°C  
Face Plate Dimensions: 205Lx33Wx33H(mm)  
Strike Plate Dimensions: 89Lx25Wx3H(mm)  
Weight: 0.5kg



# Sturdiness Electric Dropbolt Bolts

1. Full solid stainless steel lock and lock body, durable
2. Intelligent design, customized buzzer function
3. Ultra-low temperature design, less heat is safe and reliable
4. Optical control techniques to prevent mechanical failure
5. Ultra-low-power design, energy saving
6. 500,000 times successful test
7. Built-in reverse current preventing equipment.
8. Intelligent single-chip configuration, level three current applications
9. Product specification is complete for all types of door installation
10. Time delay setting: 0/3/6/9 sec.
11. Protective performance with intelligent single-chip configuration
12. Prevents external damage. MOV Provides Reverse Current Protection
13. Overload dual current
14. Built-in optical coupling open output push button contact
15. Auto-relock if no Action within 5 secs.
16. CE, ROHS & MA certificates

## Sturdiness Electronic Bolt Lock



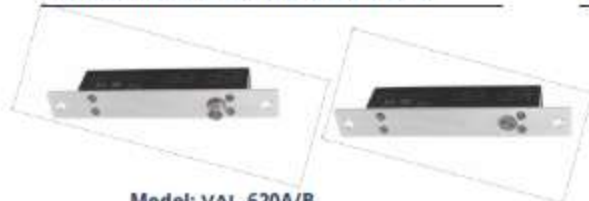
**Model: VAL-500A**



**Model: VAL-500B**

Version: Fail locked(VAL-500A) Fail unlocked(VAL-500B)  
 Diameter dead bolt:  $\phi$ 16mm, 16mm(full solid stainless steel)  
 Shear strength: 4500lbs/2000kg  
 Relock Delay Timer: 0,3,6 seconds open time delay is adjustable  
 Push Button Contact: Door Open Push Button Input Contact  
 Door Status Sensors: Dry contact NO,NC,COM  
 Rated Operating Voltage: DC 12V or 24V (Customization Available)  
 Start Current: 1200mA  
 Standby Current: 200mA  
 Face place material: High Aluminum  
 Surface Temp: Low Temperature  
 Ambient temperature in °C: -10°C - +55°C  
 Suitable for: Wooden & Aluminum & Glass & Fireproof & Metal door  
 Face Plate Dimensions: 205Lx30Wx38H(mm)  
 Strike Plate Dimensions: 100Lx25Wx2.5W(mm)  
 Weight in kg: 1.0kg

## Sturdiness Electric Bolt Lock



**Model: VAL-620A/B**

Version: Fail locked(VAL-620A) Fail unlocked(VAL-620B)  
 Diameter dead bolt:  $\phi$ 15mm, 14.5mm  
 Shear strength: 2000lbs/800kg  
 Face Plate Dimensions: 200L\*24W\*39H(mm)  
 Strike Plate Dimensions: 130Lx30Wx2H(mm)  
 Weight in kg: 0.9kg

## Electric Bolt For Narrow Door



**Model: VAL-610-L**

Version: Fail unlocked  
 Diameter dead bolt:  $\phi$ 16mm, 13mm (Full solid stainless steel)  
 Shear strength: 3000lbs/1500KG  
 Face Plate Dimensions: 205L\*27.5W\*42.5H(mm)  
 Strike Plate Dimensions: 90L\*25W\*2W(mm)  
 Weight in kg: 0.92kg  
 CE-mark for building: YES  
 RoHS-mark for building: YES



# Door Drop Bolt with Cylinder

1. Full solid stainless steel lock and lock body, durable
2. Equipped with an emergency mechanical lock, emergency key to open the door by hand or twist
3. Ultra-low temperature design, less heat is safe and reliable
4. Optical control techniques to prevent mechanical failure
5. Ultra-low-power design, energy saving
6. 500,000 times successful test
7. Built-in reverse current preventing equipment.
8. Intelligent single-chip configuration, level three current applications
9. Product specification is complete for all types of door installation
10. time delay setting: 0/3/6/9 sec.
11. Protective performance with intelligent single-chip configuration
12. Prevents external damage. MOV Provides Reverse Current Protection
13. Overload dual current
14. Built-in optical coupling open output push button contact
15. Auto-relock if no Action within 5 secs.
16. CE, ROHS & MA certificates

## Door Drop Bolt Lock

### Model: VAL-400T



Full solid stainless steel  
Door Open Push Button Input Contact  
Version: Fail locked  
Diameter dead bolt:  $\phi$ 16mm, 16mm  
Shear strength: 4000Lbs/2000kg  
Face Plate Dimensions: 260Lx30Wx48H(mm)  
Strike Plate Dimensions: 100Lx25Wx2.5H(mm)  
Weight in kg: 1.6kg

### Model: VAL-600T



Full solid stainless steel  
Door Open Push Button Input Contact  
Narrow panel designed for narrow door  
Version: Fail locked  
Diameter dead bolt:  $\phi$ 16mm, 13mm  
Shear strength: 3000Lbs/1500kg  
Face Plate Dimensions: 210Lx25Wx42H(mm)  
Strike Plate Dimensions: 90Lx25Wx3H(mm)  
Weight in kg: 1.0kg



### Model: VAL-405

Version: Fail locked & Fail unlocked (adjustable) all purpose type  
Diameter dead bolt:  $\phi$ 16mm, 12.7mm (full solid stainless steel)  
Shear strength: 3000Lbs/1500kg  
Lock Status Sensors: Dry contact NC, COM  
Door Status Sensors: Dry contact NC, COM  
Push Button Contact: Door Open Push Button Input Contact  
Relock Delay Timer: 0, 3, 6 seconds open time delay is adjustable  
Suitable for: Especially suitable for narrow door/Wooden & Aluminum & Glass & Fireproof & Metal door  
Face Plate Dimensions: 200Lx25Wx35H(mm)  
Strike Plate Dimensions: 90Lx23Wx2.5H(mm)  
Weight in kg: 0.8kg



## Glass Door Drop Bolts

1. Professional electric bolt lock for frameless glassdoor, Full solid aluminum alloy lock and lock body, durable
2. Ultra-low temperature design, less heat is safe and reliable
3. Optical control techniques to prevent mechanical failure
4. Ultra-low-power design, energy saving
5. 500,000 times successful test
6. Built-in reverse current preventing equipment.
7. Intelligent single-chip configuration, level three current applications
8. Product specification is complete for all types of door installation
9. Time delay setting: 0/3/6/9 sec.
10. Protective performance with intelligent single-chip configuration
11. Prevents external damage. MOV Provides Reverse Current Protection
12. Overload dual current
13. Built-in optical coupling open output push button contact
14. CE, ROHS & MA certificates



Model: VAL-600

Shear strength: 1000Lbs/800kg  
 Lock Status instructions: LED Display  
 Door Status Sensors: Dry contact NO,NC,COM  
 Relock Delay Timer: 0/ 2.5 /5 seconds available to set  
 Optional Functions: Lock Status Sensors ,Buzzer  
 Rated Operating Voltage: DC 12V or 24V (Customization Available)  
 Start Current: 900mA  
 Standby Current: 250mA  
 Face plate material: High Aluminum  
 Surface Temp: Low Temperature  
 Ambient temperature in °C: -10°C - +55°C  
 Suitable for: Fully Frameless Glass Door( 12-15mm thickness)  
 Face Plate Dimensions: 170Lx49Wx43H(mm)  
 Strike Plate Dimensions: 170Lx48Wx40H(mm)  
 Weight in kg: 0.9kg  
 CE-mark for building: YES  
 Rohs-mark for building: YES

## Surface Mount Bolt Locks

1. External Installation Electric Bolt, Full solid high aluminum lock and lock body, durable
2. Ultra-low temperature design, less heat, safer and more durable
3. Ultra-low-power design, energy saving
4. 500,000 times successful test
5. Built-in reverse current preventing equipment.
6. Intelligent single-chip configuration, level three current applications
7. High-strength aluminum alloy lock body, stainless steel lock head
8. Product specification is complete for all types of door installation
9. Time delay setting: 0/2.5/5 sec.
10. Protective performance with intelligent single-chip configuration
11. Prevents external damage. MOV Provides Reverse Current Protection
12. Overload dual current
13. Built-in optical coupling open output push button contact
14. Auto-relock if no Action within 5 secs.
15. CE, ROHS & MA certificates



Model: VAL-600

Shear strength: 1000Lbs/800kg  
 Lock Status instructions: LED Display  
 Door Status Sensors: Dry contact NO,NC,COM  
 Relock Delay Timer: 0/ 2.5 /5 seconds available to set  
 Optional Functions: Lock Status Sensors ,Buzzer  
 Rated Operating Voltage: DC 12V or 24V (Customization Available)  
 Start Current: 900mA  
 Standby Current: 250mA  
 Face plate material: High Aluminum  
 Surface Temp: Low Temperature  
 Ambient temperature in °C: -10°C - +55°C  
 Suitable for: External Installation For Narrow Door  
 (Such as Wooden & Aluminum & Glass & Fireproof & Metal door )  
 Face Plate Dimensions: 170Lx27.5Wx43H(mm)  
 Strike Plate Dimensions: 170Lx27.5Wx22H(mm)  
 Weight in kg: 0.9kg  
 CE-mark for building: YES  
 Rohs-mark for building: YES



# Drop Bolt Accessories

1. Special Stainless Steel, Firm and Durable.
2. Special Design, Suitable for Fully Frameless Glass Door.
3. The Best Choice of Access Control.



**Model: VAL-100A**



**Model: VAL-100B**



**Model: VAL-100C**



**Model: VAL-100D**

## Technical Parameters

Model	Standard Structure	Suitable for	Glass Thickness	Opening Mode	Finished for Shell	Weight
VAL-100A	Stainless steel, Wire Drawing Finished	Glass door	10-15mm	180 Degree Swing Door	Stainless steel, Wire Drawing	1.0kg
VAL-100B		Specially for glass door frameless below	10-15mm		Use for Electric Bolt Lock	0.35kg
VAL-100C			10-15mm		0.26kg	
VAL-100D	High Strength Aluminum, Sandblast Finished	Inswing door	10-15mm		Anodized aluminum	0.7kg

