A10EL Family
QUICK REFERENCE

Height: 2.18" [55.4 mm]
Length: 2.79" [70.9 mm]
Thickness: .50" [12.7 mm]
Lock Force: 250 lbf

APPLICATION: Provides an easy-to-install method to secure and control access to doors and other openings. This product is covered by U.S. (8,328,299), and various patents pending.

MODELS:
A10EL/A10ELAO/A10TREL/A10EL-2
A10ELS/A10ELSAO/A10TRELS/10ELS-2

Electronic Lock
Withstands up to 250 pounds of force
Available standard lock/unlock, Auto-Open, and electronic touch release.
With and without subversion protection feature

Finish: Zinc and black polymer
Height: 2.18" [55.4 mm]
Length: 2.79" [70.9 mm]
Thickness: .50" [12.7 mm]

Mounting Hardware:
#8 pan head screw

Features:
Electronic locking mechanism with manual override
Withstands up to 250 pounds of force
Installation jig assists positioning for doors

10EL: Lock/Unlock, with a detent (open manually)
10ELAO: Auto-Open (automatically opens and propels doors or drawers open about 2" when unlocked)
Note: Auto-Open action works best with auto-lock feature.
Free swing hinges are recommended for Auto-Open best performance.

10TREL: Electronic touch release and electronic lock.
Note: Mechanism propels doors or drawers open when activated by touch.
Free swing hinges are recommended for Touch Release best performance.

10EL-2: Standard lock/unlock, for doors or drawers with soft-close hinges or drawers with soft-close slides.

S Models: Include Subversion Protection Feature.

100% Guaranty the secure status output from Pin1 only occurs when the catch is in the locked position and the lock is secure.
**Installation Instructions**

**WARNING!** Before installing the lock, you must have access to the manual override lever or the activation device connected. Otherwise, you will not be able to unlock and open the door.

### Overlay Doors

1. Locate lock assembly by placing the installation jig against the edge of the cabinet at the position desired (Figure 1).

2. Attach the lock assembly to the cabinet using the appropriate mounting screws for your application (Figure 1).

3. Install the cable to the connector located at the back of the lock assembly. Perform the electrical installation and make sure the lock assembly locks and unlocks properly before closing the door (Figure 2).

4. Remove one side of the backing from the double-sided tape and apply the tape to the door strike component.

5. With the lock in the closed position, peel the backing off of the double-sided tape on the door strike component.

6. Close the door and firmly apply pressure to ensure the door striker adheres to the door (Figure 3).

7. Disengage the lock from its closed position using the activation device or manual override.

8. Open the door and remove the installation jig. Attach the door striker using the appropriate flat-head mounting screws for your application (Figure 4).

### Inset Doors

1. Drill pilot holes into your cabinet according to Figure 5. Be sure to take panel thickness into consideration.

2. Drill pilot holes into the door according to Figure 6.

3. Install the cable to the connector located at the back of the lock assembly. Perform the electrical installation and make sure the lock assembly locks and unlocks properly before closing the door.

4. Fasten lock and door strike respectively, using the appropriate mounting hardware for your application. See Figures 6 and 7.

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**Figure 1. Overlay Doors**

- Installation jig
- Min gap 1/8”
- Access to manual override

**Figure 2. Overlay Doors**

- Be sure you have access to the manual override lever or activation device.

**Figure 3. Overlay Doors**

**Figure 4. Overlay Doors**

**Inset Doors**

- Refer to Senseon Installation Guide for complete system instructions.

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**US Patent 8328299**
Technical Data

Power Requirements and Connectors

SM08B-GHS-TB (JST lock connector)

GHR-08V-S (JST cable connector)

Technical Data
Voltage Supply: +5VDC to +24VDC Maximum
Current Consumption: 50mA for 200 milliseconds @12VDC (Unlocking and Locking)

Internal Sensor Specifications
Mechanical Life: 300,000 cycles
(Drawer Contact "DC")
(Lock Contact "LC")

Notes:
1. Drawer status output:
   Drawer open: = "Open"
   Drawer closed: = "Ground"

2. Lock status output:
   Lock is unlocked: = "Open"
   Lock is locked: = "Ground"

3. +5VDC to +24VDC Max at pin 6 will unlock
   the Electronic Lock. The Electronic Lock will
   remain unlocked until +VDC is removed.

4. (*) PIN 2 & 3 ARE USED FOR INTERNAL USE
   DO NOT USE.

WIRING SCHEMATIC

example of drawer and lock status connection
using LED's. Pin 4 & 1 maximum rating 30VDC@500mA
Packaging Options

Each individual electronic lock is packaged in a box which includes an installation jig, double sided tape.

Bulk pack (P): Full box quantities, includes 10 electronic locks.

Optional Kits

**Proximity Kit**: One proximity kit per each Senseon System. Part number ACPROX-US-Kit1.
This kit includes:
- 1 RFID Reader
- 1 Power Supply
- 1 Reader Holder
- 1 DC Power Cable
- 1 Reader Splitter Cable
- 1 AC Cord
- 1 Proximity Kit Box
- 2 Power Supply Holders
- 12 Cable Clips

**Hub Kit**: One Hub kit per cabinet opening (drawer or door). Modular wiring kit part number ACHUBX-KIT1.
This kit includes:
- 1 Hub Assembly
- 2 Hub to Lock Cable
- 4 Cable Clips
- 6” Double Stick Tape

**Linking Cables**: To connect multiple banks of lock openings.
- Top Linking: ACLINK-TOP-KIT1
- Bottom Linking: ACLINK-BTM-KIT1

**Extension Cables**: Available in 4 lengths
- 6” SECBLX-6-KIT1
- 12” SECBLX-12-KIT1
- 24” SECBLX-24-KIT1
- 120” ABLEL-120

**Note**: See installation and ordering guides.

Click here for Installation Guide
Click here for Ordering Guide

Ordering Instructions

**AC10EL-1** (Open Manually)
**AC 10EL AO1** (Auto-Open-option)
**AC 10TREL-1** (Electronic Touch Release)
**AC10EL-2** (for Soft Close products)

**Subversion Protection Models**
S models include subversion protection
**A10ELS** (Open Manually + Subversion)
**A10ELSAO** (Auto-Open + Subversion)
**A10ELS-2** (for Soft Close Products+Subversion)

Complete your lock order by specifying the following:

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<th>Total Locks</th>
<th>20 each</th>
<th>8 each</th>
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<td>AC</td>
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<tr>
<td>Kick-Out Option</td>
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**Packaging**

Complete your order by including the proximity and the hub kit.

**Specifications**

Lock: Zinc and black polymer.
All components are RoHS compliant.

**NOTE**: Specifications, materials, prices, terms, and delivery are subject to change without notice.

**Warranty**

For warranty information visit
http://www.senseonsecure.com/warranty

For the most current technical information please visit www.accuride.com

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