SMARTLINC

Multiple Lock System

INSTALLATION INSTRUCTIONS

The Quality System of LA GARD Inc. is ISO 9001 certified. In order to maintain this high quality standard and to ensure a problem free application, please read this guide thoroughly before mounting the SMARTLINC system.

SAFEGUARDS FOR MOUNTING

① As soon as an electronic lock has been mounted, no more welding can be done on the safe.
② Keep metal dust, filings, etc. away from the lock.
③ Never remove lock cover, this voids the LA GARD warranty policy.
④ Never oil, grease, lubricate or paint the lock.
⑤ Keep cables away from sharp edges and moving parts.
⑥ Never carry Keypads or Locks by holding on to the cable.
⑦ Use ALKALINE batteries only. (LA GARD recommends Eveready™ or Duracell™)

SMARTLINC INSTALLATION PARTS LIST

Listed below you will find an part requirement for the various SMARTLINC set-ups.

One Lock
• Logic Module (P/N 9030)
• Lock (P/N 6260A62S-00-00 or 6040A62S-00-00 or 6034A62S-00-00 or 6441A62S-40-00)
• Lock Programming Cable (P/N 43098)
• Logic Module Programming/Audit Cable with Serial Interface (P/N 43087)
• eKEY^{II} [if applicable] (P/N 40169)
• Large Battery or Battery Alarm Box [recommended if using with Time Delay/Time Lock. Alarm Box is required for use of certain features] (P/N 2789 or 4001 or 4002)

Two Locks
• Same As Above with the addition of:
• One (1) Locks (P/N 6260A62S-00-00 or 6040A62S-00-00 or 6034A62S-00-00 or 6441A62S-40-00)
• Cable Interface Unit [comes with one (1) 18" SMARTLINC Lock Cable Assembly] (P/N 4006)
• SMARTLINC Lock Cable Assembly (P/N 43099-1) [if additional length required, available in 3', 6' or 10' lengths]

Three Locks
• Same As Above with the addition of:
• Two (2) Locks (P/N 6260A62S-00-00 or 6040A62S-00-00 or 6034A62S-00-00 or 6441A62S-40-00)
• Cable Interface Unit [comes with one (1) 18" SMARTLINC Lock Cable Assembly] (P/N 4006)
• At least One (1) SMARTLINC Lock Cable Assembly (P/N 43099-1 or 43099-3 or 43099-6 or 43099-10)

Four Locks
• Same As Above with the addition of:
• Three (3) Locks (P/N 6260A62S-00-00 or 6040A62S-00-00 or 6034A62S-00-00 or 6441A62S-40-00)
• Two (2) Cable Interface Units [comes with one (1) 18" SMARTLINC Lock Cable Assembly] (P/N 4006)
• At least Two (2) SMARTLINC Lock Cable Assembly (P/N 43099-1 or 43099-3 or 43099-6 or 43099-10)

Five Locks
• Same As Above with the addition of:
• Four (4) Locks (P/N 6260A62S-00-00 or 6040A62S-00-00 or 6034A62S-00-00 or 6441A62S-40-00)
• Two (2) Cable Interface Units [comes with one (1) 18" SMARTLINC Lock Cable Assembly] (P/N 4006)
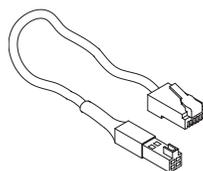• At least Three (3) SMARTLINC Lock Cable Assembly (P/N 43099-1 or 43099-3 or 43099-6 or 43099-10)
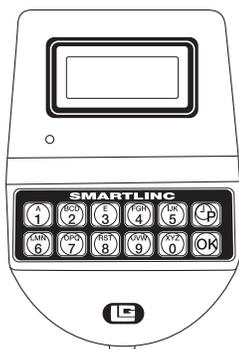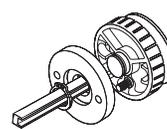
9030 Logic Module
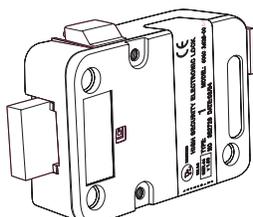
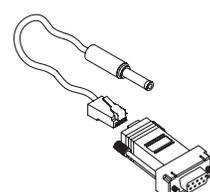6040A62S-00-00 Deadbolt Lock or 6034A62S-00-00 Springbolt Lock
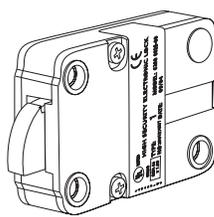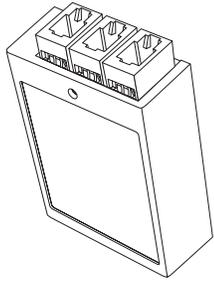
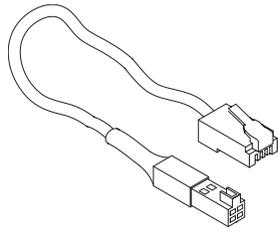6260A62S-00-00 Dual-Handed Swingbolt Lock

43098 Lock Programming Cable

2666 Knob Assembly (For use with Deadbolt or Springbolt Locks)

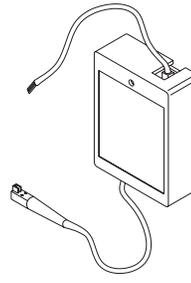43087 Logic Module Programming / Audit Cable with Serial Interface
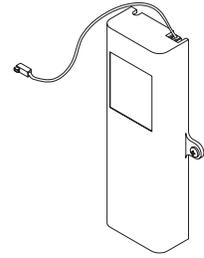
4006 Cable Interface Unit

43099-1 (18") Lock Cable Assembly (Also available in 3', 6' and 10' lengths)

40169 *eKEY^II*

2789 Small Battery Alarm Box

4001 Large Battery Box
4002 Large Battery / Alarm Box

LOGIC MODULE CONNECTION AND MOUNTING

The 9030 Logic Module comes with the entry cable unattached. Before setting up the unit for programming or for mounting to the safe, this cable must be attached.
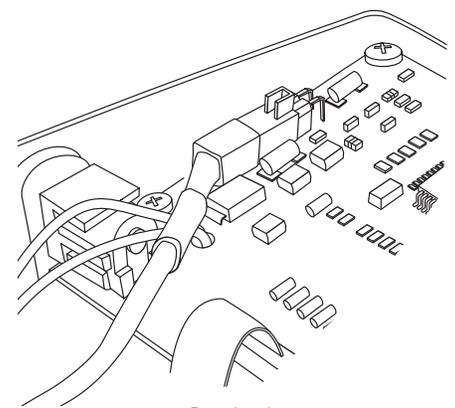
① Attach the entry cable to the Logic Module by carefully inserting the cable into the four pins on the back of the Logic Module, see drawings 1 and 2. The cable must be positioned with the lug facing upwards.

② Position the cable to the side of the battery cables so the Logic Module will fit flush against the safe door when mounted, see drawing 3.
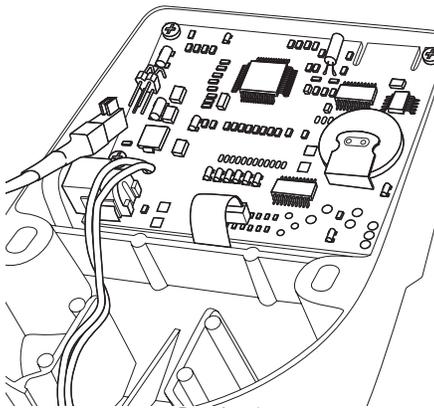
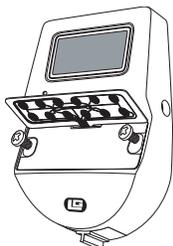Drawing 1
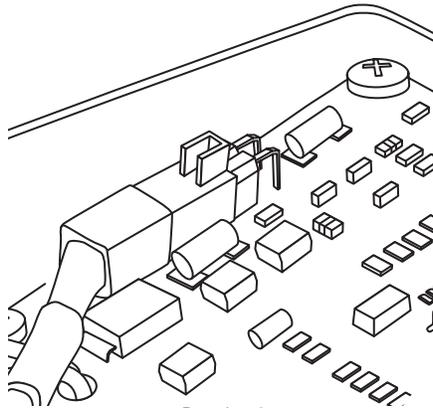
Drawing 2

Drawing 3

MOUNTING THE LOGIC MODULE

The 9030 Logic Module comes with the mylar portion of the keypad unattached.

① Lift the keypad so you can see the mounting holes.

② Carefully feed the entry cable through the front of the safe door. Make sure that the battery cables are clear of the housing. A pinched cable can lead to malfunctions.

③ Install the two mounting screws.

④ Remove the adhesive from the back of the keypad and carefully align before affixing to the housing.

LOCK CONNECTION AND MOUNTING

The steps involved in lock installation are dependent on the number of locks to be installed in the system. Each available installation is described. Once the locks are programmed and are ready to mount, follow the instructions below for mounting the Dual-Handed Swingbolt lock. Lock mounting instructions for the Deadbolt/Springbolt and Redundant Mechanical can be found at the end of these instructions.

① Making sure that the entry cable is running through the channel at the back of the lock. Mount the lock with the three (3) US 1/4"-20. NOTE: All four mounting orientations are possible. LA GARD's recommended torque for mounting screws on the Swingbolt lock is 60 inches-pound for the 1/4-20 screws.

② Secure any cables with tywrap, making sure to keep out of the way of all moving parts.

③ The blocking part "A" of Boltwork should exert pressure on the entire width of the lock bolt. In the locked position the boltwork MUST NOT place pressure on the lock bolt. NOTE: In case of boltwork construction where two blocking parts are moving opposite one another, the one facing the round side of the lock bolt "B" should be cut-off to avoid jamming of lock bolt.

Drawing 4

Drawing 5

Bolt-contact

0.270 (MAX.)   0.130 (MIN.)

0.05 MIN.

Boltwork
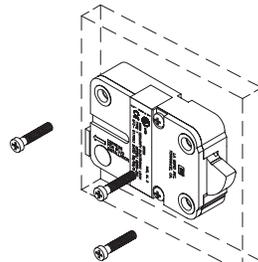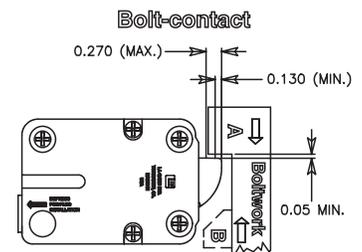
Drawing 6

ONE LOCK

① Connect the lock cable coming from the Logic Module directly into the lock. The lock has two ports for cable connection, one for the Entry marked ENT and one for the Battery/Alarm Box, marked BAT, see drawing 6.

② The cable must be installed with the lug facing in the downward position. To install the cable, push down on the lock snap connector and carefully insert the cable, see drawing 7. Be careful not to press too hard as the pins may bend. A bent pin can lead to a bad connection and cause the unit to malfunction.
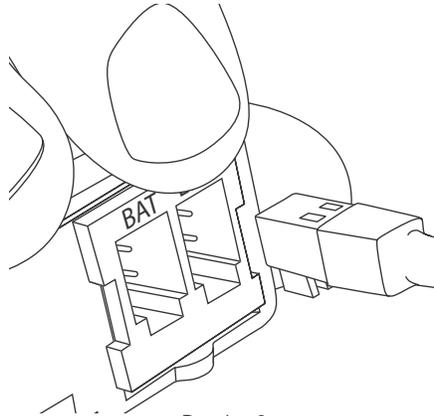
TWO OR THREE LOCKS

To install two or three locks into the system, use the Cable Interface Unit. The cable from the Logic Module will be installed into this Unit and then the locks will be plugged into the connectors on the outside.
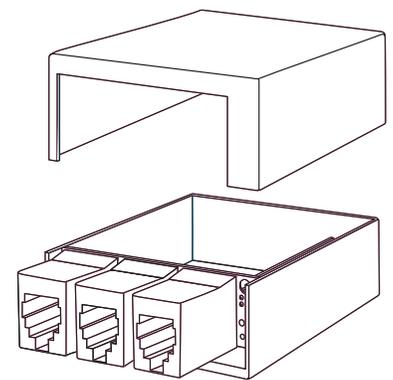
① To install the entry cable, first remove the cover from the Unit, see drawing 8.
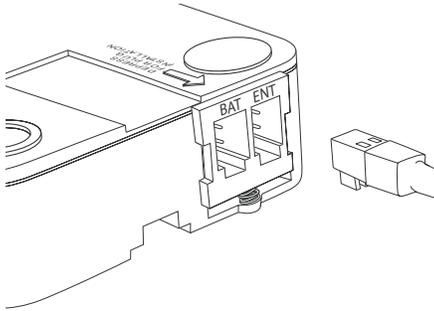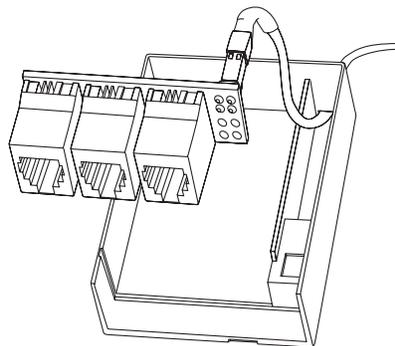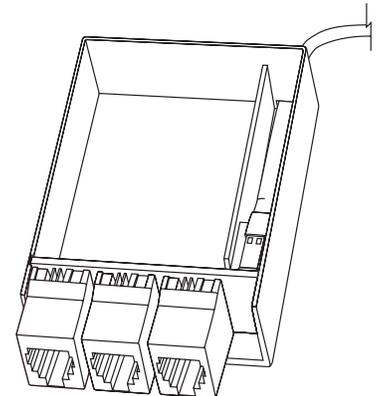

Drawing 7

Drawing 8

Drawing 9

② Insert the cable through the hole at the bottom of the box, see drawing 9.

③ In order to plug the cable into the circuit board, remove the circuit board from the box, see drawing 10. The cable should be inserted so the lug is facing in the downward position.

④ Once the cable is installed, slide the circuit board back into the box and replace the cover. Gently pull the cable taunt so that there is no slack remaining in the box itself, see drawing 11.
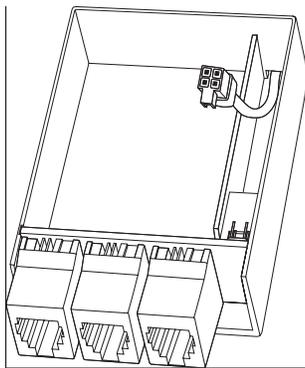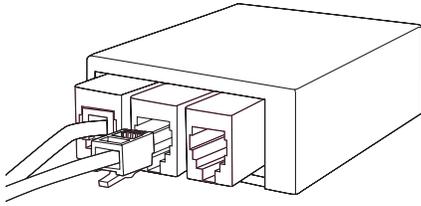

Drawing 10

Drawing 11

Drawing 12

Once the cable has been connected to the Cable Interface Box, the locks are ready to be installed. The lock has two ports for cable connection, one the the Entry marked ENT and one for the Battery/Alarm Box, marked BAT, see drawing 6. The cable must be installed with the lug facing in the downward position.

⑤ To install the cable, push down on the lock snap connector and carefully insert the cable, see drawing 7. Be careful not to press too hard as the pins may bend. A bent pin can lead to a bad connection and cause the unit to malfunction.

⑥ Repeat these steps for the second and third locks as well.

⑦ Plug the telephone style connector for each lock directly into the Cable Interface Box, see drawing 12. Ports are non-specific, use any open port.
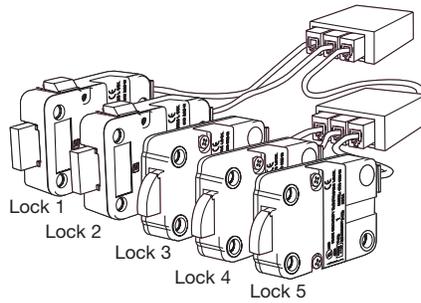
FOUR OR FIVE LOCKS

Installing four or five locks into the system requires the use of two Cable Interface Units.

① Follow steps ① through ⑤ stated above in the set-up for Two or Three Locks, but set-up two locks only. The third available port will be used as the connector between the two Cable Interface Units.

② Plug one end into the first Cable Interface Box and the other into the circuit board on the second Cable Interface Box.

③ Install the lock cables for locks four and five into the lock and connect locks to the second Cable Interface Box.

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Drawing 13

Lock 1
Lock 2
Lock 3
Lock 4
Lock 5

Drawing 14

INSERT
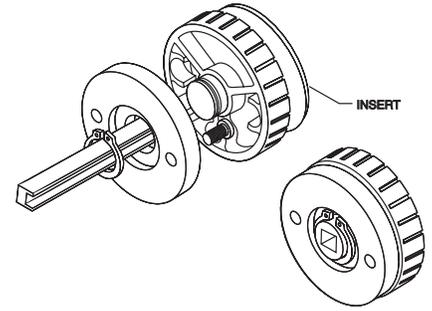
Drawing 15

DEADBOLT OR SPRINGBOLT LOCKS

In order to use either the Deadbolt or Springbolt locks, a method of retracting the bolt will be required. LA GARD recommends use of our Knob Assembly, P/N 2666, see drawing 16.

① To install the Knob Assembly, remove the insert from the front of the knob.
② Cut the spindle to length, .820" plus the mounting thickness.
③ Install using the two 8-32 X 5/16 phillips pan screws, see drawing 16
④ Install the lock (always with the bolt extended) onto the spindle, placing it flush to the mounting surface.
⑤ Fasten the lock using the three US 1/4-20 screws found in the hardware pack.
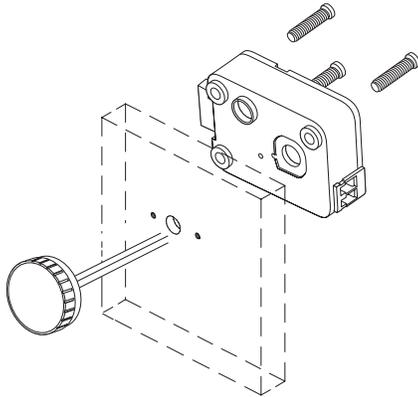
Drawing 16

CHANGING YOUR BATTERY

① Remove black plastic battery compartment cover (located at the bottom of the keypad) by gently pulling downward on it's handle.
② Allow the battery and it's attached leads to drop down and out of the battery compartment. If it does not drop, gently pull on the battery until it does.
③ The connector is easily removed by unsnapping it from the two terminals on the top of the battery.

Never Pull on the Battery Leads

④ Connect a new 9-Volt Alkaline battery to the battery clip.
⑤ Push the battery and the leads completely up into the battery compartment.
⑤ Install the battery cover by placing one side of the cover in position and then pressing the other side into position with your finger.

WARNING: The port for the *e*KEY^{II} is a data port only. Connecting power to this port will damage the system.

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