34K1 & 34K2 SERIES
GRADE 1 CYLINDRICAL ELECTRONIC LOCK
INSTALLATION INSTRUCTIONS
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A. CHECKLIST (4 each AA Batteries Not Included)

Tools
- Drill
- Drill Bits: Ø1” (Ø31/32” for drive in latch), Ø13/16”, Ø3/8”, Ø5/16”
- Hole Saw: Ø2-1/8”
- Phillips Screwdriver, #2
- Hammer
- Chisel

Parts List: Each 34K1 & 34K2 Series lockset includes
- Exterior lock assembly (includes housing, lever and cylinder drive unit)
- Interior lock assembly
- Installation Instructions, I-LS02110
- Programming Manual, (I-LS02111 for 34K1, I-LS02139 for 34K2)
- Door Preparation Template, T-LS02112
- Hardware box includes:
  - Electrified lock chassis assembly
  - Interior lever + Steel ring
  - Exterior rose/chassis mounting plate
  - Interior rose/chassis mounting plate
  - Latch bolt with deadlock
  - 2 Keys
  - ASA Strike
  - Screw Pack includes:
    - (SB1) Phillips mounting screws M5 x 38mm x4pcs
    - (SB2) Flat head tapping screws #8x3/4” x2pcs
    - (SB3) Flat head tapping screws #12-24 x 1” x2pcs
    - (SB4) Lever release tool
    - (SB5) Phillips mounting screws M6 x 10mm x2pcs (optional)
    - (SB6) Phillips mounting screws M5 x 25mm x2pcs
    - (SB7) Phillips mounting screws M4 x 8mm x3pcs
    - (SB8) Phillips mounting screws M4 x 10mm x1pcs
LOCK COMPONENTS:

A. Battery Cover
B. Interior Housing Assembly
C. Interior Mounting Plate
D. Rubber Gasket
E. Electrified Lock Chassis Assembly
F. Exterior Housing Assembly
G. Cylinder Retainer
H. Exterior Lever
I. Interior Lever
J. Interior Rose Assembly
K. Interior Rose/Chassis Mntg Plate
L. Latch Bolt
M. Screw Post
N. Exterior Rose/Chassis Mntg Plate
O. Lock Cylinder

B. DOOR PREPARATION

1. Doors: Steel or Wood
2. Door thickness range: 1-3/8" (35mm) ~ 2" (51mm).
3. Match the Backset of your lockset to the corresponding installation (either 2-3/8" [60 mm] or 2-3/4" [70 mm] Backset).
4. Place the installation template onto door and mark holes. Drill the Ø2 1/8" (54 mm) first, then drill the two Ø5/16" (8mm) holes for lock chassis mounting followed by two Ø3/8" (9.5mm) holes
for exterior Housing Assembly mounting. Drill the Ø13/16" (20 mm) hole for through wiring. Drill the Ø1" (25 mm) cross bore hole for the latch last.

5. Insert latch into Ø1" hole and hold it parallel to door face, mark outline and remove latch. Chisel 11/64" (4.3mm) deep or until faceplate is flush with the edge of the door. Insert latch into the Ø1" hole again, making certain that the latch bolt bevel faces direction of closing door (see section E for Lock Handing).

6. Secure the latch to the door using two #8x3/4" screws (SB2).

C. FRAME PREPARATION

1. Close the door and mark the horizontal line aligned to the strike.
2. Measure one half of door thickness from door stop to mark vertical center line of strike. Drill Ø1" (25 mm) hole, 1/2" (12.7 mm) deep at intersection of horizontal and vertical center lines.
3. Chisel out the jamb 3/32" (2.4mm) deep or until strike is flushed with jamb and then secure the strike to the jamb using two #12-24 x 1" screws (SB3).
D. ADJUST FOR DOOR THICKNESS

Install exterior rose mounting plate onto the lock body by rotating it clockwise. Pay attention to the installation direction of mounting plate’s anti-rotation tabs, they should be pointed toward the door.

1. Please follow the steps below:
   a. Rotate exterior rose mounting plate toward cylindrical chassis.
   b. Put the lever release tool into the allocated position of exterior rose mounting plate per the illustration below.
   c. Rotate exterior rose mounting plate to door thickness by using the lever release tool.
E. LOCK HANDING

1. Determine the hand of your door. The product is set up for Right Hand by default.
2. To change the handing to a left handed door, rotate the exterior and interior rose assemblies 180 degrees. The interior rose is handled in Step 6 on page 10. For the exterior rose, follow the steps below:

(a). Remove the exterior lever by turning the key 90° and using the lever removal tool to push in the catch pin. The exterior lever catch pin is facing the left side by default.

(b). Remove the gasket to access the four screws shown. Remove the screws below and take out the exterior rose assembly, rotating it 180 degrees for a left handed door. Re-install the four screws followed by the gasket & lever to complete the outside handing change.
F. INSTALL LOCK HOUSING

1. The lock body should have been adjusted for proper door thickness as shown in section D on page 5.

2. Install lock body (a) into exterior housing. Be sure the lever rotation grooves line up with the spindle on the lock body and the tailpiece inserts into the cam. Please insure the body is fully seated.

3. Carefully insert the main cable through the Ø13/16” [20] wiring hole while installing the exterior housing assembly on the door.
4. Remove the battery compartment cover. Remove the interior escutcheon from the interior mounting plate removing the uncovered screw as shown.

5. Install interior mounting plate with rubber gasket
   a. Install interior mounting plate with rubber gasket using the two (SB6) M5 x 25mm screws, routing the wires as shown on the first image on the next page. Leave screws loose to adjust the plate.
   b. Install (a) interior rose mounting plate using two (SB1) M5 x 38mm screws as shown in the image on the following page for wire routing and handing.
   c. It is very important to make sure the rose mounting plate is installed on the (b) vertical center line, adjusting the mounting plate as necessary.
   d. Verify that the exterior lever is rotating smoothly, and then tighten down the two (SB6) M5 x 25mm screws.
6. Install interior rose assembly using two (SB1) M5 x 38mm screws, routing the wire as shown. **Be sure that the rose assembly is installed in the correct direction for the handing of the door.** The lever catch pin should be facing the latch edge of the door.

7. Connect the cables to the inside of the (e) PCB while installing the interior housing. Install (c) the interior housing assembly using three (d) M4 x 8mm screws.
8. Install (f) interior lever

9. **READ THE CODE USER MANUAL BEFORE BEGINNING OPERATIONS.**
   a. Install four AA alkaline batteries in the (i) battery compartment.
   b. Install (g) battery cover using (h) M4 x 10mm screw.
## Troubleshooting Guide

<table>
<thead>
<tr>
<th>Issue</th>
<th>Possible Fixes</th>
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| Interior Lever Rubs                                                  | - Remove interior lever  
- Loosen all three interior escutcheon mounting screws so the escutcheon can move around  
- Reinstall interior lever  
- Push down on lever until it bottoms out (end of travel) and hold against stop  
- Tighten down all three escutcheon mounting screws  
- Move lever back up to home position  
- See where lever is rubbing on escutcheon  
- Remove interior lever & escutcheon  
- Remove interior spring cage  
- Loosen interior escutcheon mounting plate (see Section F, Paragraph 5)  
  - Shift plate in directions of binding (be careful to keep the Interior Chassis Mounting Plate inside the cut out in the Interior Mounting Plate)  
  - Hold and tighten Interior Mounting Plate screws  
- Reinstall Interior Spring Cage  
- Reinstall Interior Escutcheon (leave screws loose)  
- Install lever  
- Position escutcheon to be centered on lever  
- Tighten mounting screws and check for binding in motion of lever |
| Chassis Does Not Install into External Escutcheon (Step F)          | - Make sure removable mounting posts are fully seated in position  
- Make sure spindle grooves line up with bosses in spring cage / external escutcheon  
- Make sure cam and tail piece line up for installation |