INSTALLATION INSTRUCTIONS FOR CAL-ROYAL CR3000

1. MARK DOOR

1.1 Attach template, and mark a horizontal height line for the center of latch, on both face of door, edge, and jamb

1.2 Verify backset, and mark a vertical center line from edge of door

1.3 Apply template to the opposite side of door and repeat above

1.4 Keeping drill level and straight. Drill from both sides to increase accuracy

1.5 Check local ordinance for proper ADA recommended height from finished floor

2. MARK LATCHBOLT HOLE

2.1 Drill 1" dia in the center of door edge, chisel a rebate 11/64" deep, to allow latch face flush fit with door edge

2.2 Insert latch, fix top fixing screw, and check if latch enters aperture easily and held without too much "play"

2.3 Re-fix the latch face plate, using both screws

3. MARK STRIKE HOLE

3.1 Mark center line of latchbolt on frame

3.2 Center strike and mark screws positions

3.3 Drill 1" dia and chisel out aperture to 3/4" deep

1"(25.4mm) hole
1/2"(12.7mm) deep

4. CUT A REBATE 3/32" TO ALLOW STRIKE FLUSH WITH JAMB

4.1 Tighten strike plate, using both screws

5. INSTALL THE FRONT LOCK (KEYPAD SIDE)

5.1 Position the code side of lock onto door
Note: locks are supplied right handed.
To reverse handing, see instructions on how to reverse handing

5.2 Make sure retractor engages with the tail of latch

5.3 Put the power cable through hole and motor power cable through lower hole
Note: make sure cables are not trapped

6. APPLY INSIDE MOUNTING PLATE

MOTOR WIRE WITH BLACK SHIELDING
WIRE HOLE

6.1 Install the inside mounting plate, making sure the two wire holes on the plate are at the 10 and 2 o'clock positions

6.2 Pull out the motor power cable with black shielding thru the LEFT wire hole for RH opening or thru the RIGHT wire hole for LH opening

6.3 Fix the two (2) inner through bolts in the 6 and 12 o'clock positions

Depending on the thickness of the door use two (2) 1 ½" screws for 1 ¾" door or two (2) 1" screws for 1 ⅜" door (both sets of screws are included in the box)

1" or 1-1/2" (2 pcs) depending on door thickness

7. INSTALL BATTERY CASE AND PLATE

3/16" x 1-3/4" (2 pcs)

3/16" x 1" (2 pcs)

7.1 Position inside battery plate and secure with fixing screws
Note: make sure cables are not trapped or pinched

MOTOR WIRES WITH BLACK SHIELDING

8. CONNECT WIRES

MOTOR WIRE WITH BLACK SHIELDING

WIRE HOOKS

8.1 Connect the red/black wires to the battery connector (red/black wires)

8.2 Snake the motor wires (black shielding) on the LEFT wire hooks on the bottom of the battery case and mounting plates for RH opening (or on the RIGHT for LH opening) and connect to the motor connector (black shielding)

8.3 Push back the slack of the connected wires inside the 1" hole of the battery plate as much as it can accommodate

8.4 This procedure is IMPORTANT to avoid pinching of the wires when the interior lock cover is installed

IMPORTANT !!!

9. INSTALL INTERIOR LOCK

5/32" x 1/2" (2 pcs)

9.1 Position interior lock plate over retractor spindle and secure with 4 fixing screws

3/16" x 1-3/4" (2 pcs)

10. INSTALL BATTERIES

5/32" x 1/2" (1 pc)

10.1 Install the four (4) batteries in the battery compartment

10.2 Fit battery cover and secure with fixing screw

* Test operation of lock by depressing internal lever to retract the latch
* Test operation of lock by entering master code and depressing front lever to retract the latch
* If either test fails, check installation of lock again

CAL-ROYAL PRODUCTS, INC.