The KC5196-R/KC5196-2-R Manually Programmed Cylindrical locking system is designed to replace Ilco 1000 Series locks with no modification to the door prep. It can hold up to 120 codes and/or iButtons. The lock is powered by four, standard AA batteries. Manual emergency mechanical override uses a standard 1-1/8” (or longer) mortise cylinder.

SEE PROGRAMMING GUIDE FOR PROGRAMMING INFORMATION.
1. VERIFY DOOR PREP:

Door prep for Ilco lock should appear as shown. If for any reason it does not, prep the door using hole sizes and dimensions shown.

- **1" HOLE INTO 2-1/8" HOLE**
- **3/16" DEEP**
- **1-1/8"**
- **1-5/8"**
- **2-1/4"**
- **1" HOLE INTO 2-1/8" HOLE**
- **DRILL FOR #8-32 MACHINE OR #8 WOOD SCREWS (2 PLACES)**
- **NOT REQUIRED**
- **BACKSET**
- **FRAME PREP**
- **5/32" DEEP**
- **1-1/8" DEEP**
- **3-5/8"**
- **4-7/8"**
- **3-3/8"**
- **15/16"**
- **DRILL FOR #12-24 MACHINE OR #12 WOOD SCREWS (2 PLACES)**
- **DOOR EDGE**
2. INSTALL STRIKE & STRIKE BOX:

NOTE:
BLOCKING RING REQUIRED FOR CYLINDER LENGTH GREATER THAN 1-1/8”.
THICKNESS = CYLINDER LENGTH - 1 1/8”

3. INSTALL MORTISE CYLINDER:

BEND TAB ON LOCK WASHER TO ENGAGE NEAREST NOTCH ON NUT SO CYLINDER DOES NOT LOOSEN DURING NORMAL OPERATION.

RECOMMENDED CAM:
SCHLAGE EVEREST: P/N B502-948
SCHLAGE CLASSIC: P/N B502-191

NOTE:
BLOCKING RING REQUIRED FOR CYLINDER LENGTH GREATER THAN 1-1/8”.
THICKNESS = CYLINDER LENGTH - 1 1/8”
5. SET HAND (IF REQUIRED):

Use a 5/32” hex wrench to change the hand of the levers if necessary. Apply Loctite 242 to threads.

6. INSTALL OUTSIDE SPINDLE AND RETRACTOR:

- Remove and retain the latch guard and screw.
- IMPORTANT:
  When installing spindle and retractor, make sure that the dot on the cam is facing down. Insert spindle as shown.

<table>
<thead>
<tr>
<th>Door Thickness</th>
<th>Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5&quot; - 1.75&quot;</td>
<td>Short Spindle</td>
</tr>
<tr>
<td>(1-1/2&quot; - 1-3/4&quot;)</td>
<td></td>
</tr>
<tr>
<td>1.76&quot; - 2.00&quot;</td>
<td>Long Spindle*</td>
</tr>
<tr>
<td>(1-7/8&quot; - 2&quot;)</td>
<td></td>
</tr>
</tbody>
</table>

*Long spindle has band.
7. PREPARE INSIDE BASEPLATE FOR INSTALLATION:

A. Remove hinge screw from inside baseplate assembly.
B. Swing hinge away from baseplate.

NOTE: BATTERY HOLDER SHOWN IN PLACE. IT MAY BE REMOVED TO PREVENT IT FROM FALLING OUT DURING INSTALLATION.

8. INSTALL OUTSIDE ESCUTCHEON AND INSIDE BASEPLATE ASSEMBLY:

Install adapter plate and standoff as shown.

Assemble outside escutcheon, latch guard and inside escutcheon onto door. Pass wiring harness through existing hole as shown.

Make sure latch tabs engage the retractor as shown:

Latch
Retractor

Reinstall latchguard:
10. INSTALL INSIDE SPINDLE, SPRING AND ESCUTCHEON:

NOTE: SPECIAL SECURITY SCREWS ARE #8 SPANNER. USE TOOL PROVIDED IF YOU DON'T HAVE THE DRIVER.

IMPORTANT:
USE YELLOW SPINDLE FOR DOORS 1-3/8” TO 1-3/4” THICK
USE BLACK SPINDLE FOR DOORS OVER 1-3/4” UP TO 2” THICK

10. MAKE WIRING CONNECTIONS AND SECURE HINGE TO BASEPLATE:

CONNECT BATTERY PACK AND ROUTE WIRING AS SHOWN

OFFICE FUNCTION ONLY:

PLUG IN OUTSIDE ESCUTCHEON HARNESS TO PC BOARD

INSTALL BATTERIES AND PLUG IN BATTERY PACK TO PC BOARD

INSERT SPRING INTO SPINDLE.