1. Mark door
   A. Check lock for proper backset and body outside through - bolt type before marking.
   
   NOTE: Through-bolts are provided and recommended for use on high frequency doors.
   B. Detach stub.
   C. Fold template at correct marking for door bevel (high or low bevel), or flat.
   D. Position template at correct height (recommended height for centerline is 36" above floor).
   E. Mark center for 2 1/8" (54mm) hole.
   F. Also mark for (2) 1/8" (6mm) holes for throughbolt type.
   
   NOTE: Do not mark the (2) 1/8" holes for locks No through - bolt type.
   G. Use stub to mark center of door thickness.
   HINT: For relocating existing lock holes, fold template in half to position for the mounting screws.

2. Drill holes
   A. Drill a 2 1/8" (54mm) hole through door (from both sides to avoid damaging door).
   B. Drill (2) 1/8" (6mm) holes for through bolt
   NOTE: Do not drill the (2) 1/8" (6mm) holes for locks No through - bolt type.
   C. Drill a 1 1/8" (28mm) or (2) 1/4" (22mm) (depending on latch housing diameter) in door edge.

3. Install latch
   A. Insert latch into hole. Trace around faceplate
   B. Chisel out wood until faceplate fits flush with door edge.
   C. Drill (2) 1/8" (3mm) holes and secure latch unit with combi-screws supplied
   D. Fasten latch to door so that beveled side of latchbolt faces jamb.

4. Install strike
   A. Mark vertical line and heightline on jamb exactly opposite center of latch hole.
   B. Drill (2) 1 1/4" (22mm) holes, 3/4" (19mm) deep.
   C. Mark line for cutout of strike as shown.
   D. Mark strike plate to pattern for cutout. Clean out hole and install strike.

5. Disassemble inside trim
   A. Disassemble inside lever.
   B. Disassemble inside rose assembly.
   C. Disassemble mounting plate.

Lock Installation

- Must use "M6.0 x P0.75-5/8" if thru bolts not installed.
- Must use "#10-32UNF-1/4" L" (packed with convertible thru bolt) when installing convertible thru bolt.

- Screws
  Two #10-32UNF-1/4" L
  Two M6.0 x P0.75-5/8 L

- Through - bolt INSTALL CONVERTIBLE THROUBBOLTS MAKE SURE INSTALL THROUBBOLTS BEFORE LOCK INSTALLATION

Through-bolts are provided and recommended for use on high frequency doors.
6. Adjust for door thickness

7. Install outside lock unit

8. Install mounting plate.

9. Install inside rose assembly

10. Install inside lever

11. Remove outside lever

12. Reassemble outside lever

IMPORTANT: Place outside lock unit into position. Make sure that latch prongs engage chassis housing and latch retractor engages latch bar.

IMPORTANT: This lock is factory preset for 1 5/8" (45mm) doors. See Step 6 to center chassis in door or to change adjustment of other door thicknesses.

CAUTION: When using power screwdriver for installation, set to minimum torque setting.

NOTE 1: Two #10 - 32UNF x 1 1/8"L(*) screws can be used for outside through - bolt type only.
NOTE 2: Two M5 x M0.75 x 8.5L screws can be used for no through - bolt type only.

CAUTION FOR CLASSROOM FUNCTION:

A. Hold outside unit in place.
B. Put mounting plate into position on chassis.
C. Place mounting plate. Tighten it to lock body with two #10 - 32UNF x 1 1/8"L screws.
D. Place inside rose assembly. Tighten it to lock body with screws supplied.

A. Align dimples on rose with grooves in inside rose assembly.
B. Place rose against door and rotate clockwise until dimples snap into slots next to the grooves.

A. Slide inside lever onto spindle.
B. Push lever completely into place. (Pull on lever to make sure that catch is fully engaged.)
C. Test operation of lock to make sure you have followed instructions correctly.

A. Insert key into cylinder. Insert push pin (or similar tool) into hole in lever. Turn key one - quarter turn and push tool (push pin) to depress lever catch. Slide the lever from spindle.

A. Insert key into cylinder. Insert push pin (or similar tool) into hole in lever. Turn key one - quarter turn and push tool (push pin) to depress lever catch. Slide the lever from spindle.

Make sure to turn cam anti-clockwise by driver as far as it will go before reassembling of cylinder to prevent mis-positioning of cam for classroom function.