CRANK HANDLE OR KNOB OPERATORS

A. Install stainless steel worm gear shaft (1) into the cavity provided for it in the gear housing (3). To insert the worm gear shaft in position, center the worm gear shaft between two rings and press firmly. Insert the white gearing wheel (2) on the brass shaft.

B. Make sure that the gear housing (3) is free of dirt. Screw the plastic cover (4) in place. Do not use excessive torque on screws in securing the plastic cover.

C. (Skip this step if the operator is an anti-ligature knob (5C)). Test the functionality of the units by temporarily installing the operator (5A) or (5B) and tightening the set screw (15). The mechanism is self-reversing and should be tested as follows: Turn the operator in one direction (e.g. clockwise). When the louvers reach the closed position, continue turning 4-8 times in the same direction (e.g. clockwise) without fear of breaking the mechanism until the louvers eventually re-open. Complete two full louver cycles by turning the operator in the same direction (e.g. clockwise). Repeat these steps in the opposite direction (e.g. counter-clockwise) for two more full louver cycles.

D. Drill the following hole (behind the aluminum block (13) in glass stop at the appropriate position (for worm gear shaft (1) according to Unicel's approved shop drawings): for the zinc crank handle (5A) and the aluminum knob (5B), drill a 5/8" (15.9mm) diameter hole; for the ABS anti-ligature knob (5C), drill a 3/8" (9.5mm) diameter hole.

E. Install setting blocks (12) under the metal plates glued to the unit. Make sure they are sufficiently rigid to secure glass panel into its permanent position.

F. Install the Vision Control® panel (9) in the opening which must be level, plumb, square and in plane. Make sure the shaft (1) is centered in the hole drilled in step D.

G. Where necessary, install aluminum supporting block (13) by securing with screws.

H. According to operator:

1. Zinc crank handle: Screw the oval plate (7A), the crank handle (5B) and extension shaft (8) into the frame with screws (6). Tighten the set screw (15) of the crank handle (5A) if loose.

2. Aluminum knob: Screw the oval plate (7A), the knob (5B) and extension shaft (8) into the frame with screws (6). Tighten the set screw (15) of the knob (5B) if loose.

3. ABS anti-ligature knob: Assemble the extension shaft (8) with the round plate (7B) and the brass adaptor (14) and tighten the set screw. Screw the assembly and the base of the knob (5C) into the frame with screws (6). For additional security, add Permatex Ultra Bond glue to the tip of the brass adaptor (14). Push the knob (5C) firmly into its base.