

CONTROLLER PROGRAMMING

Apply power to operator after all components are installed. Controller will perform a self diagnostics and Display will show an Error Code if error is present. If no error is present, operator will be in RUN Mode ("POWER" Operating Indicator Light "ON") and the Display will be blank.

Normal Operating Mode = Power and Safety Clear indicators on controller lit.

ERROR CODES:

E01 = Non-functional Microprocessor

E02 = No 12V and 24V power supplies

E03 = Motor / Clutch not plugged in or open coil. Resistance values (Clutch 1200 ohms) (Motor 40 to 70 ohms)

E04 = Continuous activation signal upon power up or when leaving programming mode.

If (H.O./ALT. Action) indicator on controller is lit, check hold open switch on end cap. Must be off.

If (NORMAL/SEQ.) indicator on controller is lit, check for mis wired or stuck actuator switch.

Must be N.O. Contacts.

To enter programming mode, press **MODE** button.

HOLD OPEN TIME indicator will be lit and display will show programmed time. To change time, press UP or DOWN button respectively. Adjustment 0 to 999. Default 16. Must be at least 5 seconds of hold open time. To continue programming mode, press mode button.

90° SLOW DOWNTIME indicator will be lit and display will show programmed time. To change time, press UP or Down button respectively. Adjustment 0 to 26. Default 9. To continue programming mode, press mode button.

ONE SHOT INPUT indicator will be lit and display will show programmed state. To change state, press UP or DOWN button respectively. Adjustment ON/OFF. Default OFF. To continue programming mode, press mode button.

EXTERIOR MODE indicator will be lit and display will show programmed state. To change state, press UP or DOWN button respectively. Adjustment ON/OFF. Default ON. To continue programming mode, press mode button.

E.S. DELAY indicator will be lit and display will show programmed time. To change time, press UP or DOWN button respectively. Adjustment 0 to 16. Default 0. To continue programming mode, press mode button.

E.S. 3 SECOND POWER indicator will be lit and display will show programmed state. To change state, press UP or DOWN button respectively. Adjustment ON/OFF. Default ON. To continue programming mode, press mode button.

SEQUENTIAL DELAY indicator will be lit and display will show programmed time. To change time, press UP or DOWN button respectively. Adjustment 0 to 100. Default 0. To continue programming mode, press mode button.

ALTERNATE ACTION TIME indicator will be lit and display will show programmed time. To change time, press UP or DOWN button respectively. Adjustment 0 to 3. Default 0 = No Time Out, 1 = 10 Minute Time Out, 2 = 20 Minute Time Out, 3 = 30 Minute Time Out. To continue programming mode, press mode button.

LOCKOUT TIME indicator will be lit and display will show programmed time. To change time, press UP or DOWN button respectively. Adjustment 0 to 66. Default 20. To exit programming mode, press mode button to return to RUN mode (display blank). Programming is now complete. Activate operator to check that all function and timings are correct. Setting can be changed at any time by pressing Mode Button to scroll to the desired Program Mode.

Note: Controller will automatically exit Programming Mode and return to run Mode after 15 seconds with no input from MODE, UP or DOWN buttons.

TO RESET BACK TO FACTORY DEFAULTS: HOLD DOWN THE MODE BUTTON WHILE TURNING POWER TO OPERATOR "OFF" THEN BACK "ON" USING THE ON/OFF SWITCH ON OPERATOR END CAP.