



MK-IV PROGRAMMABLE CONTROL SYSTEM

Project _____
 Item _____
 Quantity _____
 CSI Section 11400 _____
 Approval _____
 Date _____

MK IV Programmable Control System



The MK-IV Programmable Control is a computer controlled variable speed system with memory for recalling and automatically operating 25 recipe programs. Each Program has the capacity to store and recall 9 steps. Each step is comprised of a Speed and Time. Product consistency is guaranteed even when the mixer is operated by the most inexperienced operator.

Specifications

MK-IV, PROGRAMMABLE CONTROL

- Front mounted tactile switch Control Panel.
- Programmable microprocessor controlled closed loop speed control system consisting of internally mounted linear actuator and Hall Effect sensor.
- Switch Buttons:
- Start - Always starts mixer at lowest speed.
- Stop - Always returns mixer to lowest speed before stopping.
- Speed Increase - Variable speed, RPM settings across full speed range, adjustable while mixing.
- Speed Decrease - Variable speed, RPM settings across full speed range, adjustable while mixing.
- Time Set Increase - Digital, minutes and seconds, 99 minutes maximum.
- Time Set Decrease - Digital, minutes and seconds.
- Pause - Stops mixer and holds Speed and remaining Time data in memory until restarted by Start button.

Standard Features

- Program - Access to Programming Mode for data entry and recalling an existing Program to be run.
- Numeric - Program selection and data entry.
- Clear - Cancels last data entry.
- Enter - Stores last data entry into memory. Activates programs.
- Bowl Lift - Raises or lowers bowl electrically. L.E.D. Displays:
- Speed - Four 3/8" Green L.E.D. numeric displays for agitator RPM.
- Time - Four 3/8" Green L.E.D. numeric displays for minutes and seconds. Maximum time is 99 minutes. Counts down and turns mixer off when time has been entered. Counts up and rolls over at 99 minutes if no time is entered. Time can be increased or decreased while mixer is operating.
- PGM # - Two 3/8" Green L.E.D. numeric displays for selecting up to 25 programs.
- Step - One 3/8" Green L.E.D. numeric display for indication of sequential combinations of Speed and Time in memory for each program. Nine events (Steps) are available per program. Diagnostic Indicator Lights: Backlit text that illuminates when factory preset conditions occur.
- Min. Speed - Indicates minimum speed setting.
- Max. Speed - Indicates maximum speed setting.
- Ready - Indicates that the safety features are engaged and the mixer is ready to operate.
- Overload - Indicates thermal motor overload.

OTHER FEATURES:

- Fixed Mode - Prevents the operation of any functions except the starting and stopping of Programs 1 thru 10 via simplified procedures. Prevents any unauthorized data entry or modification. Mechanical Stop Switch - Plunger type tactile Stop Switch with locking position.
- Manual Override - System can be operated manually with spare speed adjustment hand lever stored inside mixer, setting Master Control Panel switch to "MAN" (Manual) and disengaging linear actuator linkage set screw.
- Battery Backup - Programs and factory presets are backed up by internal batteries to prevent loss of memory in the event of power interruption.

