

Date: 04/09/01, (CM)

Subject: Floating Action Output for Mixing Control 362 and Universal Reset Control 363

If either the 362 or 363 are used with a 120 Vac floating action mixing valve, the actuator motor can receive a constant closing signal even when the closing relay in the control is not closed. This is caused by the variable speed drive in the control which shares the same terminal as the Close terminal.

Currently, if you are using a 120 Vac actuator, there are two ways to address this constant closing signal.

- 1) Install two 24 Vac relays as shown in the attached diagram in order to isolate the actuator from the control. You cannot use 120 Vac relays as the same problem will result.
- 2) Remove the fuse from the variable speed drive in the control. Since the control is being used as a floating action control, the fuse is not needed. Removal of the fuse will stop the continuous close signal. The fuse should only be removed by competent persons.

The hardware for both of these controls is currently being redesigned to address this situation. By August 2001, the new hardware should be available that will eliminate the need to perform either of the above procedures.

Sincerely yours,
tekmar Control Systems Ltd.

Enclosures: Electrical Schematic.

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External Relay Wiring for Mixing Control 362 and Universal Reset Control 363
Note: This wiring is required when using a 120 Vac actuator motor.