

MIXER CONTROL (NON-ERIE)

Part Number: 23850

DESCRIPTION:

This product provides control for a tilting mixer or a single-door pan mixer (excluding Erie mixers). Mixer controls include manual, semi-automatic and automatic control for the tilt and right functions of a tilting mixer or the open and close functions of a pan mixer.

OPERATION:

Automatic

Mixer Charging

If a mixer running input is assigned on the Mixers form, the system makes sure the mixer is running before automatically discharging materials into the mixer. The mixer right/closed limit must be on before materials can be discharged into the mixer. Materials are discharged into the mixer based on the sequence configuration.

Mixer Tilt/Open

Once all materials have been discharged into the mixer, and the mix time has expired, the mixer tilts/opens (if tilt/open is set to automatic). If tilt/open is set to semi-automatic (triggered) mode, the mixer tilts/opens when the tilt/open button is pressed on the Manual Station. The mixer continues to tilt/open when in automatic or triggered mode based on the mixer discharge parameters until the tilt/opened limit is reached, or the mixer is put into hold (via a button on the Manual Station), or the operator presses the right button.

Mixer Right/Close

Once the discharge time has expired, the system automatically rights/closes the mixer (if right/close is set to automatic). If right/close is set to semi-automatic (triggered), the mixer rights/closes when the right/close button is pressed on the Manual Station. The mixer continues to right/close when in automatic or triggered mode until the right/closed limit is reached, or the mixer is put into hold, or the operator presses the tilt button.

Manual

Mixer/Hydraulic Motors

The mixer and hydraulic motors must be manually started and stopped (no standard automatic operation) by pressing the appropriate start or stop button.

Tilt/Open

If the mixer tilt/open mode is set to manual, and the mixer is ready to discharge, the mixer tilt/open button must be pressed until the tilt/opened limit is reached. (The mixer will tilt/open when the mixer tilt/open button is pressed even if the mixer is "not ready" to discharge.)

Right/Close

If the mixer right/close mode is set to manual, and the mixer has discharged, the mixer right/close button must be pressed until the right/closed limit is reached. (The mixer will right/close when the mixer right/close button is pressed even if the mixer has not been discharged.)

SYSTEM REQUIREMENTS:

- Mixer Start - an unassigned pushbutton on the Manual Station or an external motor starter switch
- Mixer Stop - an unassigned pushbutton on the Manual Station or an external motor starter switch
- Hyd Start - an unassigned pushbutton on the Manual Station or an external motor starter switch
- Hyd Stop - an unassigned pushbutton on the Manual Station or an external motor starter switch
- Mixer Tilt Limit (opened) - an unassigned LED or pushbutton on the Manual Station
- Mixer Tilt (open) - an unassigned pushbutton on the Manual Station
- Mixer Right (close) – an unassigned pushbutton on the Manual Station
- Mixer Right Limit (closed) - an unassigned LED or pushbutton on the Manual Station
- Mixer Hold - an unassigned pushbutton on the Manual Station

IMPLEMENTATION:

- Install the Opto module(s) in the correct slot(s) in the J-Box.
- Configure the Manual Station pushbuttons.
- Set up the mixer in the batching system. Map the appropriate devices to the mixer, and configure sequences.

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