

RETRACTABLE DUST PLENUM

Part Number: 25631

DESCRIPTION:

This option provides control for a “single action” retractable dust plenum on a central mix plant. Hardware interlocks are used to control the movement of the mixer and retractable dust plenum.

OPERATION:

Automatic

- The Dust Plenum Extend output is enabled by pressing the latching button on the manual station. If the mixer is at the right limit and is ready to be charged, the dust plenum extends to cover the mixer charging point. The Dust Plenum in normal operation, once activated, generally stays in the extended position unless the batching system requests it to be retracted. When the mixer is ready to discharge, the batching system turns on the Dust Plenum Retract signal. The mixer will not tilt or right until the dust plenum is at the retracted limit.

Manual

- The dust plenum may be extended if the mixer is at the right limit by pressing the Dust Plenum Extend (latching) button.
- The dust plenum maybe retracted by pressing the Dust Plenum Retract (latching) button on the manual station, or by deactivating the Dust Plenum Extend button.

SYSTEM REQUIREMENTS:

- Dust Plenum Extend – an unassigned pushbutton on the manual station
- Dust Plenum Retract – an unassigned location on the manual station
- Dust Plenum Retracted – an unassigned pushbutton or LED on the manual station

IMPLEMENTATION:

- Configure manual station pushbuttons.
- Install Opto modules in the correct positions and configure jumpers.
- Wire relay and other hardware interlocks in J-Box.
- Write activates to manual station firmware.

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