



# MC-20

## Monroe Open Loop Control System



*Manual and/or ground speed spreader control.  
System controls the spread rate and spinner speed.*

Standard Features:

- **Ground Speed Trigger**  
Auto material starts and stops with vehicle motion saving material.
- **Ground Speed Orientated**  
Automatically spreads material based on the speed of the vehicle.
- **Current Compensated Valve Drive Outputs**  
Compensates for changing hydraulic conditions to maintain consistent spreader, spinner and liquid output performance.
- **Adjustable Valve Drive Frequency**  
Control can be adjusted to work with multiple valve types.
- **User Programmable Blast Mode**  
Select between timed or maintained blast modes.
- **Integrated Standby and Blast Switches**  
Adds to user ease of operation.
- **Ignition Controlled LED Backlighting**  
Easily operate control in day or night condition.
- **Remote Standby and Blast Inputs**  
Conveniently locate in auxiliary operator locations.

<b>Mounting Size and Options</b>	Dimensions: 4" x 5.5" x 2" Mounting Options; Stand alone or in I-Select™ mounting console
<b>Power</b>	Provides power to spreader control. A red indicator on the top of the switch will indicate Power On.
<b>Spreader On</b>	Press the spreader dial to activate/deactivate the spreader. When spreader is activated the spreader and spinner functions will be activated to last known setting. A green LED will illuminate to indicate the spreader is on.
<b>Spreader</b>	The spreader dial controls the auger/conveyor speed. The minimum and maximum speed is a user programmable function. This is a current compensated output.
<b>Spinner</b>	The spinner dial controls the speed of the spinner. The minimum and maximum speed is a user programmable function. This is a current compensated output.
<b>Blast</b>	Press the spinner dial to activate/deactivate the blast. When blast is activated the spreader will be turned to maximum setting and the spinner will remain at the current setting. A green LED will illuminate to indicate the spreader is on.
<b>GS On/Off (Interrupt Mode)</b>	The GS switch, in the On position allows the spreader control to start and stop with truck motion. When the GS switch is in the Off position the system will start and stop only with operator input. A red indicator indicates GS on.
<b>GS On/Off (Ground Speed Orientated Mode)</b>	Press the GS On/Off button to activate/deactivate. With GS off, the system will be manual with operator input. With GS on, the controller will control the output based on the speed of the vehicle. This will be linear through out the vehicle speed range. The speed of the spinner does not change with ground speed. A green LED indicates On and a red LED indicates Off.
<b>Backlighting</b>	Ignition on controlled.
<b>Circuit Protection</b>	The system is protected from reverse polarity connection and over current.
<b>Moisture Resistance</b>	Splash proof front face. All circuit boards and moisture sensitive parts are conformal coated for moisture and humidity protection.



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