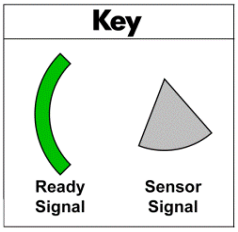
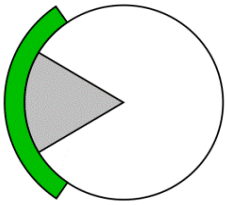
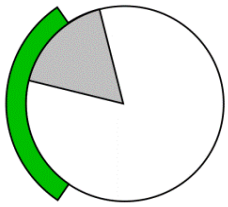
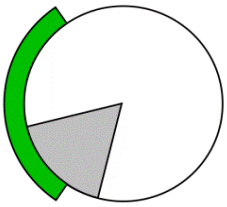
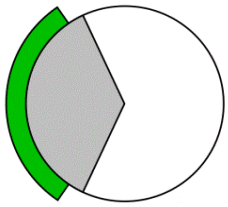
Sensor Type: "Standard" Green Sensor

The “Green” sensor type is used for applications where the sensor is expected to actuate every press cycle. For the press to run, some portion of the sensor signal must occur during some portion of the “Ready” window. The sensor is allowed to be ON outside of the Ready window, however to ensure that the sensor is not shorted or “stuck” ON, a “Failsafe” check is performed that requires the sensor to turn OFF (at least momentarily) at some point outside of the Ready Window. A typical use for the Green sensor type is detecting part ejection.

The following timing diagrams show examples of sensor/ready window interactions and the results:

Timing	Comments 
	The press is allowed to run. The sensor signal occurs during the ready window, and is OFF outside of the ready window.
	The press is allowed to run. The sensor signal occurs during and after the ready window, and turns off outside of the ready window.
	The press is allowed to run. The sensor signal occurs before and during the ready window, and turns off outside of the ready window.
	The press is allowed to run. The sensor signal occurs before, during, and after the ready window, but also turns off outside of the ready window.

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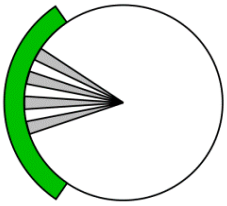
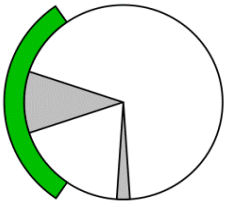
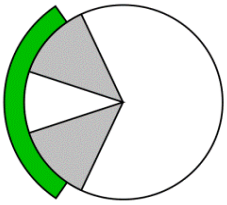
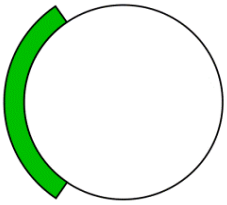
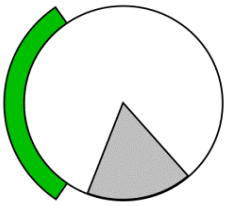
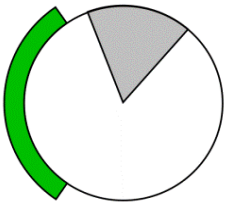
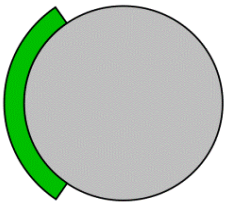
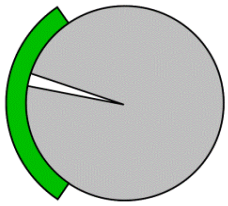
Timing	**Comments**
	The press is allowed to run. Multiple sensor signals are allowed as long as one or more of them occur during the ready window, and the sensor turns OFF at some point outside of the ready window
	The press is allowed to run. Multiple sensor signals are allowed - both inside and outside the ready window - as long as one or more of them overlaps some the ready window, and the sensor turns OFF at some point outside of the ready window.
	The press is allowed to run. Multiple sensor signals are allowed - both inside and outside the ready window - as long as one or more of them overlaps some the ready window, and the sensor turns OFF at some point outside of the ready window.
	**The Press Stops!** If the sensor doesn't turn on, the control signals the press to stop. The error will read "**Green Sensor Missed**".
	**The Press Stops!** If the sensor turns ON and OFF before the start of the ready window, with none of the sensor signal overlapping the ready window, the control signals the press to stop. The error will read "**Green Sensor Missed**".
	**The Press Stops!** If the sensor turns ON and OFF after the end of the ready window, with none of the sensor signal overlapping the ready window, the control signals the press to stop. The error will read "**Green Sensor Late**".

Sensor Type: "Standard" Green Sensor	
Timing	**Comments**
	**The Press Stops!** The sensor turns on, but doesn't turn off outside of the ready window, so the control signals the press to stop. The error will read "**Green Sensor Failed!**".
	**The Press Stops!** The sensor turns on and off, but it doesn't turn off outside of the ready window, so the control signals the press to stop. The error will read "Green Sensor Failed!".