### White Paper



## **WDA Sensor**

BETTER BY DESIGN

## **SLACK / BROKEN CHAIN DETECTOR**

The WDA is a non-contacting extended range magnetic proximity sensor, not affected by dust or material build up, used to detect moving ferrous material from 1 to 3 inches away. One of the more specialized uses for the WDA sensor is for slack/broken chain detection when installed using one of the three options shown below.

Using the mounting block supplied, cut a 4 inch diameter hole in the sheet metal and position the mounting block so that the sensor is centered on this hole. Alternatively, the sensor and mount can be installed on a 300 series stainless steel plate without drilling a hole for the sensor. In this case, the sensor will not be affected because the sensing field can pass through the stainless steel plate.

#### WARNING - Make sure that there is no ferrous steel (such as the machine's frame) within the sensing field.



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