



# INSTRUCTION SHEET

## Dust Sentry Bin Level Sensor

# AXB999110B



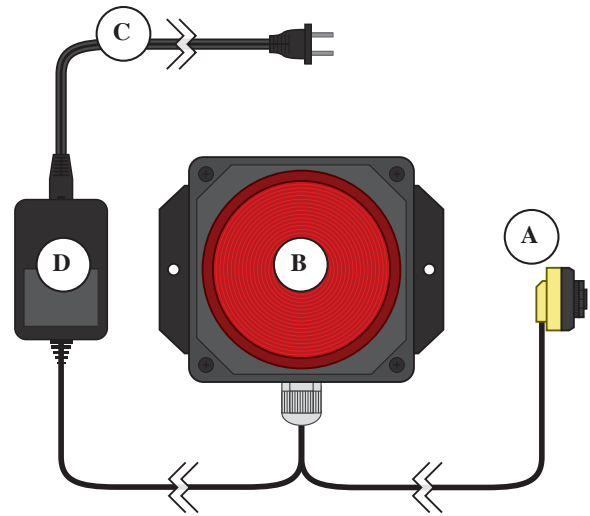
U.S. Patent:  
#8514090

# System Contents

ID	Part number	Part description	Qty
A	AWR990018A	Infrared Sensor	1
B	WLZ024001	24V Red Strobe Light	1
C	WCW000001*	AC Cord	1
D	WPA000001	Power Adapter	1
E	AHX999110	Dust Sentry Hardware Pack includes: rubber washer, rigid washer, rubber grommet, plastic lock nut, and grommet plug.	1

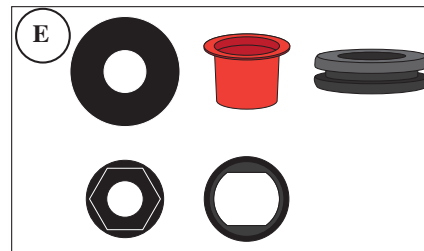
Please unpack the parts carefully and confirm you have received each item listed here.

\*Specific units will include an additional wire from the motor or motor starter to power the Dust Sentry sensor.



## You will need the following:

DUST SENTRY	OPTIONAL
Measuring Tape	#10 Screws
Power Drill	#10 Washers
7/8" Drill Bit	#10 Nuts
	Adhesive



# Installation Instructions

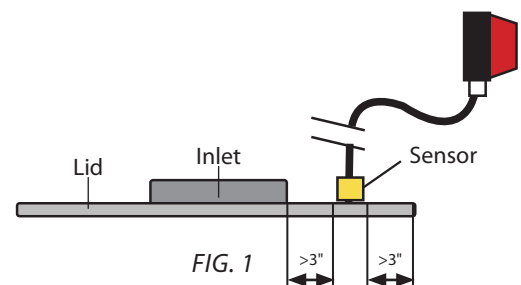
- 1 If your collector's drum lid has a pre-punched 7/8" hole with a plastic plug, remove the plug and proceed to Step 2.

Measure the point halfway between the drum lid's inlet and its outer rim [FIG 1].

If you want the sensor to be permanently installed, drill and de-burr a 3/4" hole.

If you want the sensor to be removable, drill and de-burr a 7/8" hole at this location. (Recommended if using an Oneida Air Systems lid and dust drum. Removable configuration allows easy cleaning of the sensor lens.)

*Note: The sensor must be installed at least 3" away from either edge of the dust drum.*

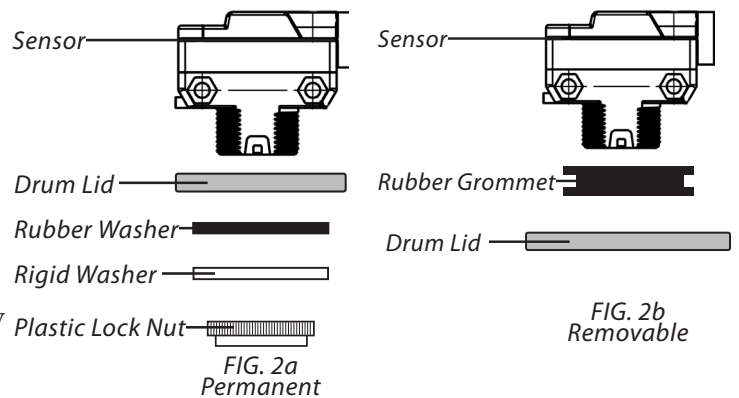


# Installation Instructions

- 2** To install the sensor in a permanent configuration, install the sensor through the 3/4" hole in the drum lid, rubber washer, rigid washer, and plastic lock nut and tighten [FIG. 2a].

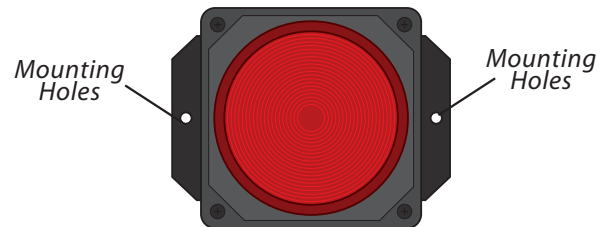
*Note: Do not over-tighten.*

To install the sensor in an easily removable configuration, insert the rubber grommet into the 7/8" hole in the drum lid. Push the sensor all the way into the grommet's center hole [FIG. 2b].



- 3** Mount the strobe light to the collector (or in another high visibility location) using the two #10 mounting holes or adhesive of your choice [FIG 3].

*Note: Make certain that your collector's dust drum lid, ductwork, and all your power tools are fully grounded per the manufacturer instructions.*



- 4** Adjust the detection of the dust level of the infrared sensor by rotating the Level Set Screw [FIG 4]. Turning it towards the plus sign (+) will lengthen the range of the sensor; turning it towards the minus sign (-) will shorten the sensor's range. DO NOT force the level set screw.

We recommend that the sensor be set to alert at a distance of 4-6" [FIG 5]. To test the range, place your hand in front of the sensor, while the Dust Sentry is plugged in, to represent the dust drum filling up.

*Note: If you have a steel drum, the sensor may display false readings when the drum is completely empty, due to the drum bottom's reflective surface. The false readings will cease once a fine layer of dust is in the bottom of your drum. If your steel drum has a cardboard insert in the drum, we recommend leaving it in place to eliminate false sensor readings*

