



INSTRUCTION SHEET

Ultrasonic Bin Level Sensor

AXB000500



System Contents

ID	Part number	Part description	Qty
A	AWR990030	Drum level Sensor with Rubber Washer and Nut	1
B	WLZ024001	24V Red Strobe Light	1
C	WCW000001	AC Cord	1
D	WPA000001	Power Adapter	1
E	WCG016031	.16-.31 Cord Grip	1

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

You will need the following:

- Power Drill
- 1-1/4" drill bit
- Measuring Tape

Optional:

- #10 Screws
- Anchors
- #10 Washers
- #10 Nuts
- Hook and Loop Tape
- Double-sided Tape

Installation Instructions

1

Check to make sure that your sensor is in the correct operating mode. The POWER indicator should be lit up in green and the NO indicator in the PNP section should be lit in amber [FIG 1].

If a different indicator is lit under the NPN or PNP sections:

- Hold down the MODE button for 3 seconds to put it in Selection Mode. The current indicator will be flashing when in selection mode and the POWER indicator will be off.
- Click the MODE Button to cycle through until the PNP NO indicator is flashing.
- Hold down the MODE button for 3 seconds to confirm your selection. PNP NO indicator should be lit amber and the POWER indicator will be Green.

Note: Selection Mode times out after 120 seconds.

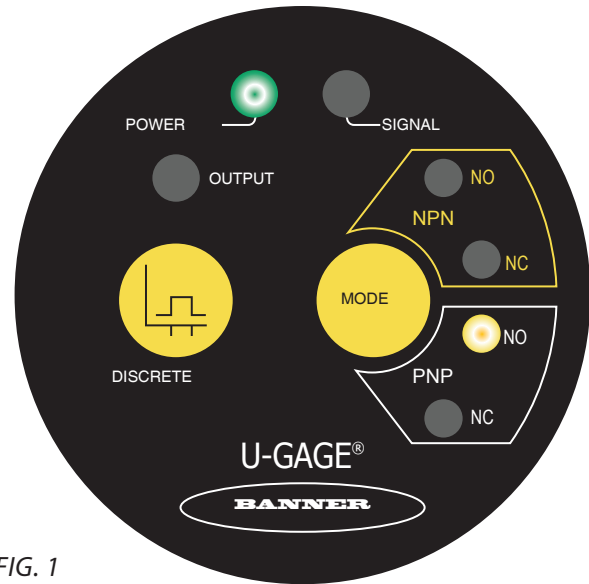


FIG. 1

2

When setting the fill level you must keep in mind that the strobe light will only flash when the dust level is within the range you set it for. The max range is between 4" and 39" (set at the factory) and there is a dead zone between 0" and 4". Our recommended range is between 4" to 10" [FIG 2a].

To configure the adjustable bin fill level setting:

- Hold down the DISCRETE button for 3 seconds to put it in Teach Mode. The OUTPUT indicator will be a steady amber light and the POWER indicator is off [FIG 2].
- Set the furthest point by clicking the DISCRETE button. Once accepted the OUTPUT indicator will be flashing amber.
- Set the second point by clicking the DISCRETE button. Once accepted the POWER indicator will be a steady green light.

Note: Teach Mode times out after 120 seconds.

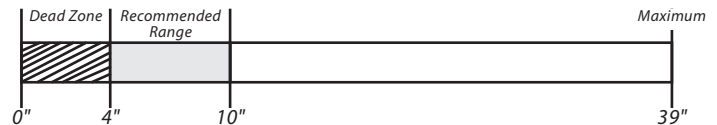


FIG. 2a

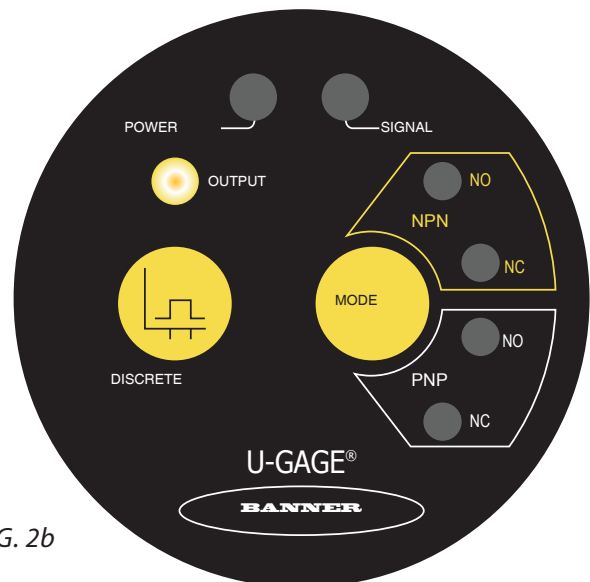


FIG. 2b

Installation Instructions (Continued)

- 3** If your collector has a pre-punched 1-1/4" hole, proceed to step 4.

Drill and de-burr a 1-1/4" hole.

Note: The Sensor should be installed halfway between the container's inlet and the edge of the lid. (Minimum 3 inches from both) [FIG 3].

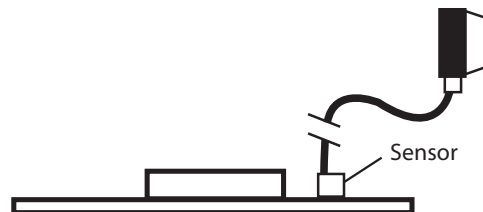


FIG. 3

- 4** Unscrew the plastic lock nut from the bottom of the sensor. Install the sensor through the drum lid, rubber washer, and plastic lock nut and tighten [FIG 4].

Note: Do not over-tighten.

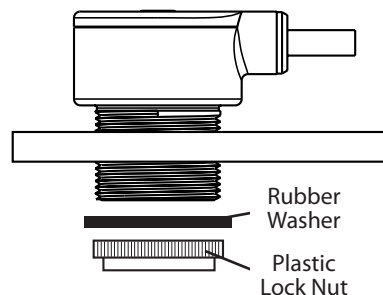


FIG. 4

- 5** The strobe light can also be mounted in a fixed position if you so choose. There are two #10 dia. mounting holes on either side of the light for your convenience. You can also mount the light using adhesive affixed to the back of the light. [FIG 5].

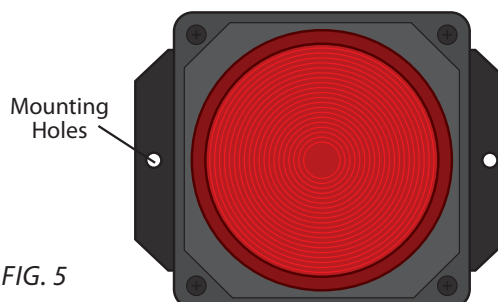


FIG. 5