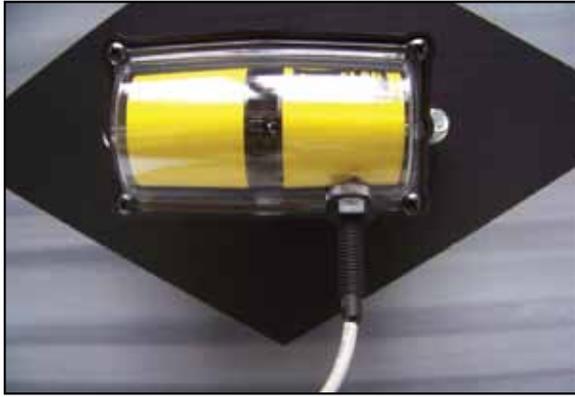# BIN FLAG™ Agri-Alert 800

The Bin Flag gives producers a great visual indicator of the level in feed bins, even up to 200 feet away. It can also work with the building existing alarm system to dial out an alarm when a bin's feed level gets too low. The Bin Flag uses a simple magnetic sensor (part # HDL59065-952) to activate a contact in the alarm. Because there are no 110v power lines to install to the bin, it's a simple DIY project. Setting up the Bin Flag with the Agri-Alert dialer alarm involves a few simple steps.
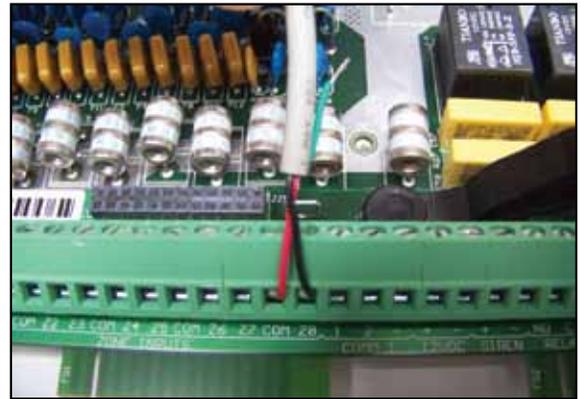
Installing the Magnetic Sensor

Remove the red plastic plug. Thread-in the magnetic sensor until it touches the rotator face. Unthread two turns and lock into place using the jam nut.
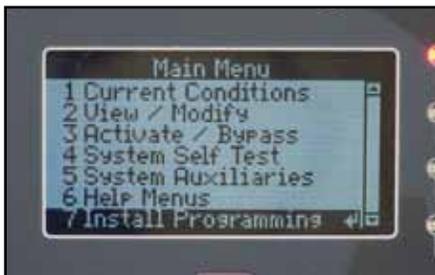
The Bin Flag will signal a feed outage when the feed drops away from the interior paddle and the rotator changes from yellow to black. To activate this condition we will set up a normally closed sensor setting.

For our example we have selected Zone 8 to be the bin alarm. Install the red lead into COM terminal between Z7 and Z8. Install the black lead into the Z8 terminal. The wire used between the magnetic sensor and the Agri-Alert control should be a 26 ga wire which is common telephone wire.
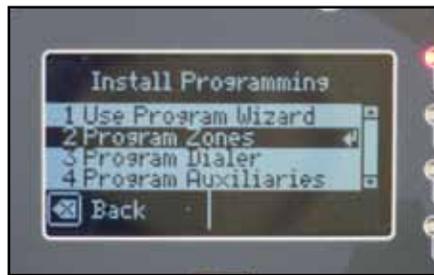
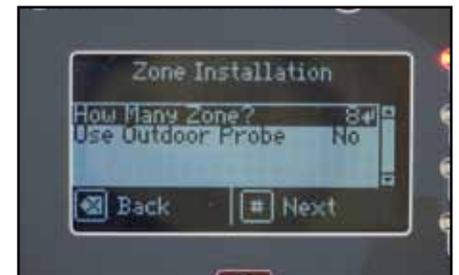## Assigning the Zone (Agri-Alert owner manual 3.7.3)
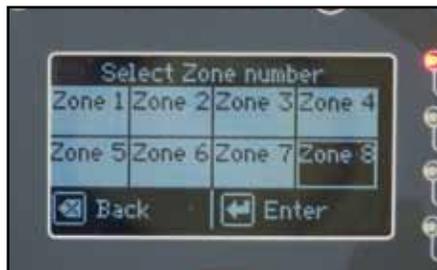
Select Main Menu

Select 7) Install Programming

Select 2) Program Zones

This screen will appear and you select How Many Zone? 8
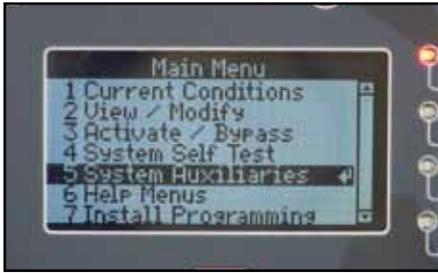
Scroll to Zone 8 and press Enter

You will then set the
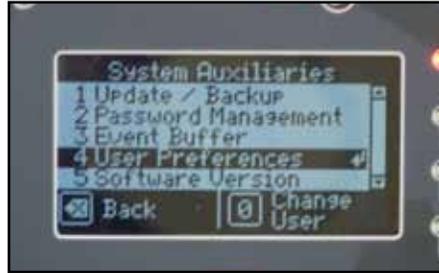Type……………..Dry Contact
Normal State…………Closed

Recording Vocal Identification (Agri-Alert owners manual 3.7.7)

The Agri-Alert alarm allows to record a custom message for each zone. You can record a message that identify individual bins on each building and at different sites.
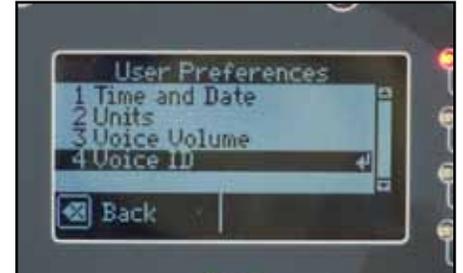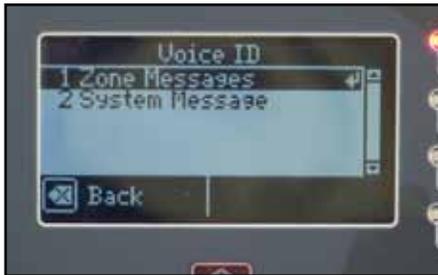
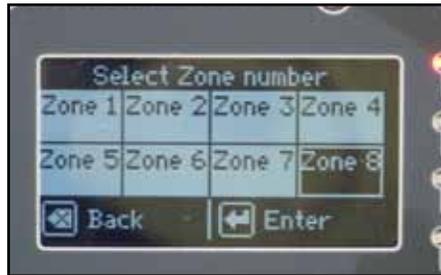*Select Main Menu*

Select 5) System Auxiliaries

Select 4) User Preferences

Select 4) Voice ID

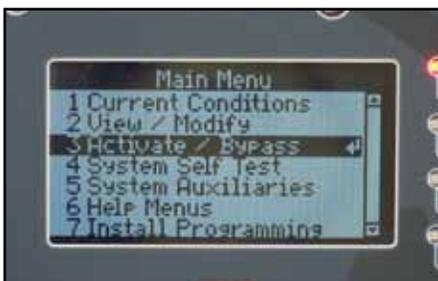Select 1) Zone Message

Select Zone Number ….8

Select the * Record button and record a message that will play when an alarm condition is signaled . In our example we used "Feed Outage, Jones Site, Building 1, Bin 1"
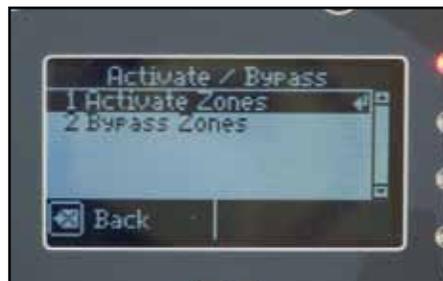
Activating the Alarm Zone

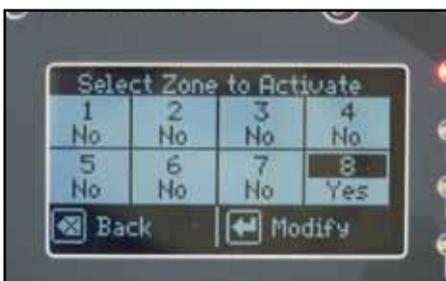After setting up the zone, we next activate the zone for operation

Go to Main Menu

Select 3) Activate/Bypass

Select 1) Activate Zone

Tab to #8 on the screen and select to change the NO under the 8 to YES.

A green light will appear next to the 8 on the ZONES panel indicating the zone is activated.

When a Feed Outage Occurs

When feed drops away from the Bin Flag, the rotator will change from yellow to black. This will also trigger an alarm condition and the indictor light on the panel will turn red. The unit will also begin its call out procedure alerting the call list of the feed outage condition.