



Sense



Switch



Control



Fieldbus

Application notes



Application Note : October 2013

Market involved : Agriculture

Product : CA30CLN12M...

Customer : OEM and specialized distributors

Subject : Feed detection in feeding systems for poultry

CUSTOMER ISSUE :

Some manufacturers of circular feeding systems for poultry have been using the CA30 capacitive sensor for years, in order to detect the empty level into the silo and the feed detection in the return line to the hopper, making sure the line is full for the next feed.

By the increasing of the export , it is convenient to provide customers with a multi-voltage version of this kind of sensor, which is used to give signal when the last feeding pan in the string is full so that the feeding line can be stopped.

OUR SOLUTION :

The CA30CLN12M capacitive sensor is a multi-voltage sensor which allows a power supply range from 20 to 255 Vac/dc.

This sensor uses our well proven relay output. Its design has been improved by increasing the immunity to EMC, as well as a rear side to the sensor has been fitted, ensuring the IP67 ratings.

The multi-turn potentiometer for the sensing distance setup and time function has been improved as well.

BENEFITS :

- Using our new CA30 sensor it is possible to connect the sensor to any supplies the customer has.
- The new potentiometer settings allow customers to set distance and time faster and more accurately.