



**Sense**



**Switch**



**Control**



**Fieldbus**

## Application notes



**Application Note : October 2013**

**Market involved : Agriculture**

**Product : CA30CLN12M...**

**Customer : OEM and specialized distributors**

**Subject : Straight line feeding system for poultry**

### CUSTOMER ISSUE :

A sensor is needed so as to be used in straight line feeding systems for poultry, in order to detect when the last pan in the feeding system is full, and then stopping the feeding line.

A similar application is requested from the feeding silo to the hoppers, which feed the feeding lines, when the last hopper is full, the feeding line has to be stopped.

### OUR SOLUTION :

We have been selling our capacitive sensors VC11/12 for years, and now we have expanded our product portfolio with the addition of the CA30CLN12M... M30 mm housing series.

These sensors detect the feed through the plastic pipe sending a signal when the pipe is full.

We have a build-in time delay and for this kind of application we recommend an OFF-delay, in order to eliminate even small amount of feed to activate the output of the sensor.

Only when the pipe is full and has been so for a while, the sensor gives signal to stop the feeding line.

### BENEFITS :

- By the standard CA30 sensors or the new CA30 multi-voltage sensor, the connection to any supplies is possible.
- The new potentiometer settings enable the customers to set the distance and time faster and more accurately, than in the old versions with fixed voltage.