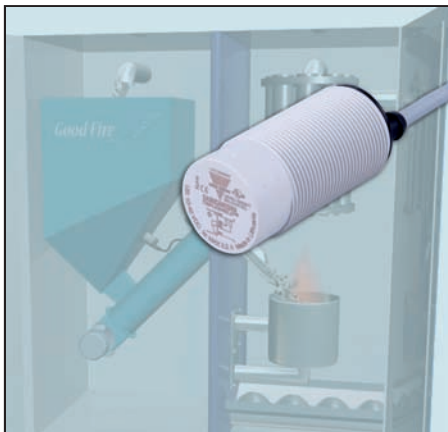




Application notes



Application Note : June 2014

Market involved : HVAC

Product : CA30CA.., CA30CA..DU or CA30CA..TA

Customer : --

Subject : Detection of wood pellets in a pellet burner

CUSTOMER ISSUE :

Manufacturers of pellet burners are currently using our TRIPLESIELD™ sensors and are very satisfied with their capability in detecting dry pellets.

Dust remains on the sensor and it is necessary to have a warning when the sensor needs cleaning.

It has also been requested to include a temperature sensor to send an alarm if the fire runs backwards to the hopper.

OUR SOLUTION :

Our 4th generation TRIPLESIELD™ capacitive sensors can be delivered with a Dust Alarm output and a Temperature Alarm output.

The dust alarm sensor can be mounted in an upper position for full detection, using the dust output for cleaning indication.

The second sensor can be placed close to the auger feed pellets to get a low level indication as well as a temperature alarm if the pellet temperature is more than 60 °C.

BENEFITS :

- With 4th generation TRIPLESIELD™ capacitive sensors it is not necessary to mount an additional temperature sensor as it is already included in our sensor and with the dust alarm output you will know when it is time to clean the system.