

Applications

Industry / Customer Group	Miscellaneous
Application	Bio burner / boiler
Country	Finland
Product	PA, LT/LR 110
Variations	

Application



Details

A lot of burner/boiler systems are now using wood, wood chips or wood pellets as supply for the burner instead of oil and gas. Also in commercial burners this system is often used.

To control the feed to the burner, both the minimum and maximum levels have to be controlled and that is done by using the Telco PA / LT/ LR 110 system. The systems are mounted directly in the hopper (container or feeder) in direct contact with the product; one system for minimum level and one for maximum level.

When the minimum level is reached the hopper needs to be filled; the feeder motor will be started and the wood chips or pellets will be sent along a conveyor from the tanker where they are stored. The feeder will stop when the maximum level is reached.

In some cases a sensor is placed just behind the endless screw in front of the burner entrance to be sure that the feeder is working properly. Sometimes the wood can get stuck in the tube to the endless screw and needs to be detected as quickly as possible to prevent a blockage.

Reference: TELCO 1104041040



A close up of the minimum level sensor system. When required, a signal is given to the feeder motor which sends the wood fuel along the conveyor to the burner / boiler.



Here we can clearly see the placement of both the minimum and maximum level sensor systems.

Reference: TELCO 1104041040