



**PROCESS AUTOMATION**  
Industrial Process Measuring & Control Equipment

# Blocked Chutes!

## Early detection can save you money

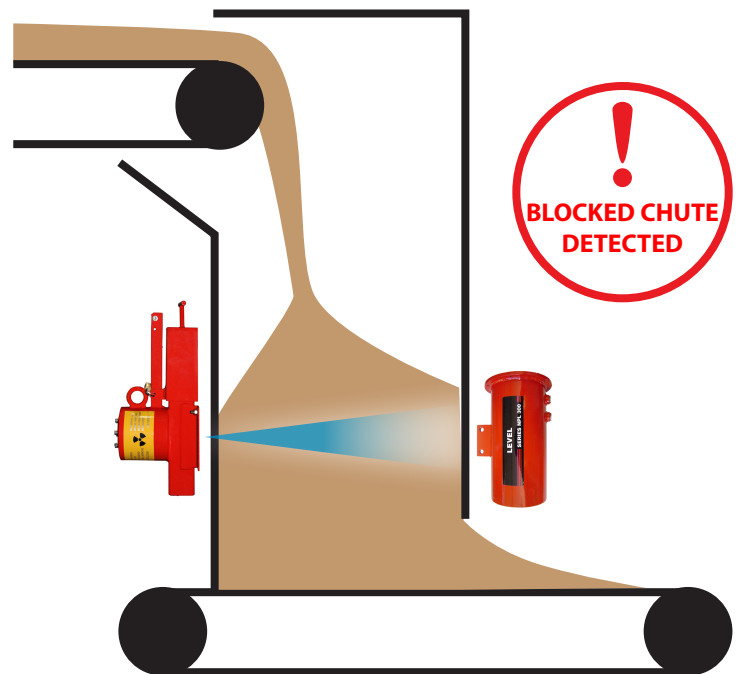
**Blockages always cause production problems and can often be dangerous to people and equipment.**

### *Non-Intrusive*

#### **Gamma type (Point) Level Switches**

are used to detect level/blockages in chutes & vessels. Application is simple requiring the source and detector to be attached to the exterior of the vessel where the level is to be measured. Measurement is non-contacting & non-invasive ensuring minimum maintenance and thereby enhancing reliability of operation.

Some versions of the gamma switch can also measure material build-up on the sides of chutes/vessel walls and provide an early warning of impending trouble. The process can then be adjusted/stopped timeously in an orderly fashion, allowing clearing of the build-up before any blockage occurs.



#### **Gladiator Microwave Switch**

A beam of microwave energy passes from a transmitter to a separate receiver.

If the path between the sender and receiver is blocked by any object or material which absorbs or reflects microwave energy, the receiver will no longer be able to detect the signal.

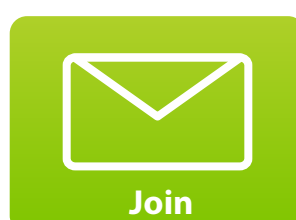
The presence or absence of the signal at the receiver is used to switch a relay for indication or control purposes.

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