



A higher level of performance

Application Reference

Mining Industry

Blocked Chute Protection for Wet Applications



Application problem:

The mine had used mechanical tilt switches to detect blocked chute problems in conveyor transfer, chutes, screens etc.

Wet fine ore had built-up on the tilt switch and made it inoperable. The switch was not fail-safe and so when a blocked chute did occur the tilt switch did not operate, causing lost time to production.

Solution:

Because the ore was wet at different times we had to use our Gladiator Acoustic Switch which has the added feature of **Self Cleaning** to remove wet, sticky ore fines that build-up on the face of the transducers. The acoustic switch is fully fail-safe and designed to work in chutes where high water levels and ore fines are predominantly found. Each transducer uses the pressure wave affect to remove moisture and build-up. The transducers can be installed up to 700 meters away from the remote Gladiator amplifier.

Hawk manufactures acoustic, microwave and admittance type blocked chute technology. All can be provided with communication protocols Foundation Fieldbus, Profibus PA, DP, HART etc.

Hawk manufactures blocked chute technology for coal, iron ore, copper, alumina, zinc, lead, uranium etc.

Ordering information:

1 x GSASUS Remote Gladiator Amplifier
2 x AWRT20T4XXXC15XXAS Remote Gladiator Acoustic Transducers

Application guaranteed!

Hawk is a world leader in level, positioning and flow measurement, providing cutting edge equipment to the global industrial market. We have 30 years of experience and a record of success in a wide range of areas including mining/mineral processing, water supply/waste water, bulk material handling and chemical. Our on-going commitment is to provide industry leading technology and cost effective solutions.



Self Cleaning

Acoustic pressure waves keeps the face clear from build-up. Self cleaning video.



Contact

Hawk Measurement Systems Australia
Phone: +61 3 9873 4750
info@hawk.com.au

Hawk Measurement US
Phone: +1 888 429 5538
info@hawkmeasure.com

For global representatives:
www.hawkmeasure.com