

ELECTRIC CENTRALIZED BLASTING SYSTEM



PRODUCT DESCRIPTION

The BME Electric Centralized Blasting System (CBS) provides continuous near real-time local system monitoring with remote access monitoring capabilities. The continuous monitoring feature built into the system ensures that an up-to-date Centralized Blasting System status and overview is available. This feature greatly improves the pre- and post-blasting decision making process. It also provides section and / or level isolation and data information from the connected blasting boxes. Continuous outgoing monitoring of the downstream blasting boxes for short circuit and earth leakage detection.

PRODUCT FEATURES

FEATURES

The Centralized Blasting System is modular in design. It consists of:

- A Centralized Control Box which is installed on surface,
- Several Centralized Section Boxes (one for each level/section),
- Centralized Blasting Boxes located at blasting points throughout the mine.

The outgoing supply cable is independently fed from inter-level cable during the monitoring mode and enables easy fault finding. Information and data downloading occurs within the blasting boxes. The system operates over a wide supply voltage range of 160-250VAC.

SAFETY FEATURES

- Central point for blasting (centralized blasting), with the blasting signal power available from only this one point (surface control room)
- Can be individually isolated from the supply cable network using the key switch
- Unit will only fire if connected to a CBS
- The firing key is removable in the OFF position only, ensuring that unauthorised firing cannot take place
- Blasting Box enclosure cannot close with firing key in position
- Firing cannot be initiated when either a cable fault or an alarm is set.
- The cable fault and alarm condition must be cleared prior to switching to ready mode
- If main is interrupted at any time the alarm light and buzzer will be activated until the reset button is pressed

