

General Description

The industrial alarm and speech unit or intercom is designed to be placed at regular intervals along a conveyor belt or similar distributed plant, to provide two way voice communications and pre-start alarm facilities (optional). The intercom is typically mounted on conveyors used in underground tunnelling operations.

The intercom provides half duplex party line voice communications and pre-start alarm facilities (optional) along the length of the conveyor. The interval between the intercoms can be decreased to ensure coverage in noisy areas and increased to reduce cost where noise is less of a problem. Intercom units can be placed next to plant control cubicles to allow convenient communications with operation staff.

The photograph below shows a basic intercom type.



The conveyor system is designed for high reliability, simplicity to fault find and to increase productivity and reduced downtime by improving communication along conveyors.

This system has been designed using only a **SINGLE FOUR CORE CABLE** and a 2 watt power supply.

The communication amplifiers allow full speech and call tone facilities along the length of the conveyor and have internal batteries to ensure full speech capabilities during power outage. These batteries are charged continuously down the power cores, and will give hours of speech when power is disconnected.

Typical System Layout

