ÅKERSTRÖMS

Radio remote control

Locomote Tower control

Åkerströms has more than 50 years of experience in developing radio control for industry and its specific needs. Åkerströms' locomotive remote control system was developed to provide the safety and reliability that operators need for wireless control within freight transport operations or heavy industrial environments, such as steel works and mines.

Tower control can be compared to operating a "model railway" and it requires a high level of safety.

Radio control from a shunting tower.

The radio control takes place from a shunting tower with certain limitations on speed. From here, all train movements for shunting are controlled from a computerised signal box. In the case of tower control, responsibility is shared between operator and shunting inspector.

Radio receiver with two code addresses.

The radio receiver in the locomotive has two code addresses, one for operation by an operator and one for operation from the shunting tower. The control is not affected by the operator's control transmitter and the locomotive's standard cabling can be used. In the tower there is a fixed radio and manouvring equipment. All parts in the fixed equipment are easy to replace during service.

TECHNICAL FACTS

TOWER CONTROL

No. of functions: All locomotive movements, locomotive ID can be selected

Aerial: External

Radio transmitter: 405 - 470 MHz, two-way communication. (Duplex) is possible.
250 radio channels possible

Power output: Variable, depending on application and licensing limitations.

Coverage: min. 1000 m

Interface: Ports for track signals and emergency stop switch