ÅKERSTRÖMS

Radio
remote
control

Locomote 100

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.

Switching-yard personnel can operate driverless locomotives with Locomote 100, Åkerströms' product for remote control for locomotives. They can easily control the locomotive with a joystick on the Locomote transmitter, which is positioned on the front of their bodies in a comfortable carrier. Using Locomote, they start, run, and stop the locomotive and thus have total control of the train's movements.

Flexible solution.

The RCU, a receiver, is inside the locomotive. The RCU communicates with the locomotive's control system. And it's future-proof: this flexible solution enables us to adapt it for new or reengineered controls systems.

Safer and more efficient.

Thanks to locomotive remote control, switching is safer and more efficient compared to manual switching that demands two persons. Locomote minimizes risk for musculoskeletal injuries (drivers need not climb up and down from the cabin), risk for accidents (such as being pinned), and risk for slipping (on wet or greasy surfaces).

Standard or tailored.

The Locomote 100 system comes with a transmitter, receiver, and charger. It is available in a standard model, or it can be tailored to enable customer-specific functions.

TECHNICAL FACTS

TRANSMITTER - RMC

Breaker: Manipulator (single axle), toggle switch
Radio transmitter: 410-480 MHz
Output power: <500 mW
Antenna: Internal
Transmitter weight: 1.2 kg
Transmitter density: IP 65
Range: Min. 1000 m in railroad environment

RECEIVER - RCU

Receiver interface: Relay
Safety standard: Cenelec EN 50239

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