



Sesam 800 Mobile

For more than 50 years, Åkerströms Björbo AB has been developing professional remote control devices fulfilling the specific needs of the industry and the mobile market. Åkerströms' Sesam 800 remote control series are designed to provide the flexibility, reliability, ruggedness and ease-of-use required for applications in demanding industrial and mobile environments.

Sesam 800 Mobile is a system specially designed to be used for various mobile applications such as tail lifts and winches for ATV's and forest machines. The system is robust, flexible, uncomplicated and based on modern digital technology.

Automatic frequency selection.

Sesam 800 Configurable utilizes the 869 MHz frequency band with 12-channel automatic frequency selection. The system is based on 16.7 million unique codes with a guarantee that there will never be two identical transmitters on the market.

Feedback function.

The system is based on a two-way radio technology which enables a relay feedback indicator on the transmitter. A green light indicates an active relay. Checksums ensure an error-free message transmission. For applications with extra high security requirements, the receiver can be configured to use encrypted authentication.

IP67 and high-side solid-state relay switches.

The receiver is equipped with six high-side solid-state relay switches and a fibre-reinforced plastic housing for tolerating extreme environments where there are high demands on shock and vibration sensitivity. The transmitter and receiver are also of class IP 67, and can be exposed to dust, humidity, and water without interruptions. The transmitter is equipped with a rubber edge guard providing a good shock resistance.

TECHNICAL FACTS

Operating voltage: 10-24 V DC
Current consumption: 25mA (without external load at 12 V DC)
Outputs: 6 intelligent 10-24 V DC high-side solid-state switches 3A continuous (4 A peak) short-circuit and temperature protected.
Connections: Terminal blocks
Housing: Glass-reinforced plastic
Dimensions: 120 x 90 x 50 mm
Weight: 350 g
Mounting: 4xM4
Protection class: IP67
Operating temperature: -25°C - +70°C
Storage temperature: -40° - +85°C
Approvals: IP67 EN 60529, Vibration EN 60068-2-6, Chock EN 60068-2-27.

RADIO:
Operating frequency: 869.700-870.000 MHz, 12 channels, GMSK
Duplex
Output power: <=5mW
Receiver sensitivity: Better than -105dBm
Radio approvals: R&TTE Directive 99/5EC
Internal antenna