ÅKERSTRÖMS

Robust Radio remote control



Sesam 800

— Robust radio remote control for industrial applications

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

The Sesam 800 has various usage areas like remote control of doors, gates, barriers, fans, floodlights, and more. It is robust, flexible, straightforward, and uses modern digital technology.

Feedback function and unique coding.

The Sesam 800 system utilizes the 869 MHz frequency band. The system is based on a two-way radio technology which allows for a relay feedback indicator on the transmitter. A green light indicates an active relay. The system is based on 16.7 million unique codes with a guarantee that there will never be two identical transmitters on the market. Checksums ensure an error-free message transmission. For applications with extra high security requirements, the receiver can be configured to use encrypted authentication.

For harsh environments.

The L99, L15, M6, S6 and S3 transmitter are class IP 67, other models are class IP 65 and can be exposed to dust, humidity, and water without interruptions. The transmitter is equipped with a rubber edge guard providing for enhanced shock resistance.

Receiver with PIN code.

There are three receiver models; one with and one without LCD display and one smaller rail mounted DIN receiver. The receiver can be equipped with an optional LCD character display to which it makes it easy to add or remove new transmitters and users of the system. The receiver with LCD display can also be equipped with a detachable memory card for business-critical systems using a large base of transmitters. There is a possibility protecting the features in the Sesam 800 receivers with a four-figured PIN code. This means that only authorized will be able to unlock and manage the features. Setting and unlocking are easily made using the display receiver's key pad. Sesam MC Manager is a configuration tool with support for administrating the PIN-code simplifies installation, configuration, testing and maintenance of large-scale Sesam 800 gate/port installations.

TECHNICAL FACTS

TRANSMITTER L99 LARGE
Number of functions: 3 Controlled units: 1000
Voltage: 3V (2xAA)
Output power: 5mW
Current consumption: 30 mA during transmission
Protection class: IP 67
Size (max): 120 x 75 x 30 mm
Weight: 200 g incl. batteries

TRANSMITTER L15 LARGE
Number of functions/buttons: 15
Voltage: 3V (2xAA)
Output power: 5mW
Current consumption: 15 mA during transmission
Protection class: IP 67
Size (max): 120 x 75 x 30 mm
Weight: 200 g incl. batteries

TRANSMITTER M6 MEDIUM
Number of functions/buttons: 6
Voltage: 3V (2xAA)
Output power: 5mW
Current consumption: 15 mA during transmission
Protection class: IP 67
Size (max): 100 x 60 x 25 mm
Weight: 130 g incl. batteries

TRANSMITTER S3, S6 SMALL
Number of functions/buttons: 3, 6
Voltage: 3V (2xAAA)
Output power: 5mW
Current consumption: 15 mA during transmission
Protection class: IP 67
Size (max): 75 x 46 x 22 mm
Weight: 80 g incl. batteries

TRANSMITTER K3 KEYRING
Number of functions/buttons: 3
Voltage: CR2025 X2, 6V (2x3V)
Output power: 5mW
Current consumption: 15 mA during transmission
Protection class: IP 65
Size (max): 44 x 67 x 13 mm
Weight: 30 g

Other: Low battery warning

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TECHNICAL FACTS

WALL RECEIVER
Supply voltage: 12-24V AC/DC or 230V AC
Current consumption: 60 mA (+30 mA when the relay is active) at 12V DC
No. of relays: 3 relays (SPDT)
Relay contact rating: NO/NC 8A/3A 230V AC (resistive load)
Power consumption: 5W max.
Memory capacity:
With character display: 500 transmitters max.
Without character display: 100 transmitters max.
Protection class: IP 65
Size: 120 x 90 x 51 mm
Weight: 450 g
Options: LCD character display and detachable memory card

DIN RECEIVER
Supply voltage: 12-24V AC/DC
Current consumption: 60mA (+30mA when the relay is active) at 12V DC
No. of relays: 3 relays
Relay contact rating: NO/NC 8A/3A 230V AC (resistive load)
Power consumption: 5W max.
Memory capacity: 100 transmitters max.
Size: 85 x 75 x 30 mm
Weight: 180 g

FACTS ABOUT THE SESAM 800 SERIES:
Frequency: 869,8 MHz GMSK
Response time: 50 ms (typ.)
Temperature range: -25°C - +55°C
Other: 16.7 million unique codes, CRC-16 checksum, configurable security mode with encrypted authentication

Example of accessories



Holders for vehicle and wall

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