Sesam 800 LARGE

— 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.

Sesam 800 LARGE 99 is our most advanced Sesam system. With the ability to control up to 1000 receivers this system is perfect for larger facilities. These functions can be anything from opening / closing of doors, gates and bars, on / off by such fans and lamps. The system is robust, flexible and straightforward and is based on 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.

Memory card

The receiver can be equipped with a detachable memory card used as a backup of all configuration parameters. If a receiver needs replacement, the user only has to install a new receiver of the same type and insert the memory card from the old one in order to get the same functionality. This is useful in systems where many transmitters are used to control a receiver.

TECHNICAL FACTS

TRANSMITTER L99 LARGE
Number of functions: 3
Numbers of 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

SESAM 800 RXD 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: 500 transmitters or group ID
Protection class: IP 65
Size: 120 x 90 x 51 mm
Weight: 450 g
Options: LCD character display and detachable memory card

SESAM 800 CASSETTE
Supply voltage: 12-24VDC

COMMON FACTS SESAM 800:
Frequency: 869,8 MHz GMSK
Respons Time: 50 ms (typ.)
Temperatur range: -25°C - +55°C
Other: 16,7 million unique codes, checksum CRC-16, configurable security mode with encrypted authentication.

Group ID & MC manager

The L99 transmitter has support for a group ID coding. Transmitters with the same group ID are considered identical and the RXD receiver can store up to 500 different group ID's. This capability and our memory manager software are tools to simplify the installations, testing and maintenance of large-scale installations. With the software all receiver configurations can be centrally managed and easily copied to the receivers through their memory cards. This allows for full control of all Sesam receivers and transmitters in a system and changes can easily be done through the software.

Holder for transmitter

The Sesam 800 holder for vehicle mount provides external power to the transmitter as well as an external antenna connector (FME). Supply voltage 12-24 VDC. The holder is also available without electronics. We also offer a holder for fixed wall assembly.