



# Sesam 800

## Robust radio remote control for industrial applications

For more than 50 years, Åkerströms 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 926 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 tough environments.

The Large 99 transmitter is of class IP67, and can be exposed to dust, humidity, and water without interruptions. The Large 99 transmitter is equipped with a rubber edge guard providing for enhanced shock resistance.

### PIN code for extra security.

There are two receiver models; one wall mounted and one smaller rail mounted DIN receiver. The wall receiver is equipped with a LCD which it makes it easy to add or remove new transmitters and users of the system. This receiver 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 receiver 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.

Example of accessories



## TECHNICAL FACTS

### TRANSMITTER L99 LARGE

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

### 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)  
Output power: <3 mW  
Memory capacity:  
With character display: 500 transmitters max.  
Protection class: IP 65  
Size: 120 x 90 x 51 mm  
Weight: 450 g  
Options: 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: 926 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



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