

# Sesam

Robust radio remote control for industrial and mobile applications



NAME: Sesam 800 Keyring.  
SPECIALITY: Radio remote control for garage door.  
READY FOR MISSION: 2013

NAME: Sesam 800 Large 99.  
SPECIALITY: Radio remote control for 999 industrial doors.  
READY FOR MISSION: 2013

NAME: Sesam 800 Small 6.  
SPECIALITY: Radio remote control for conveyor.  
READY FOR MISSION: 2013



**Sesam 800** is our product family for radio remote control of industrial applications such as opening systems for doors, booms and gates, switching on and off fans and floodlights. The Sesam 800 series is developed to provide flexibility, reliability, ruggedness and ease-of-use required for applications in demanding industrial environments.

#### Robust and durable

Sesam 800 is a complete family of transmitters and receivers. The transmitters are very easy to use. Their robust and durable design is equipped with a rubber edge guard that provides shock resistance. They are class IP67, and can be exposed to dust, humidity, and water without interruption. The transmitters have separate, easy-to-push buttons of high quality that can manage more than 1 million button presses.

#### Feedback indicator and unique codes

The Sesam 800 system uses the 869 MHz frequency band. Communication between the transmitter and receiver is two-way, which allows a feedback indicator on the transmitter to show when a relay is active. The system uses 16.7 million unique codes. Checksums ensure error-free message transmission. For applications with even higher security requirements, the system can be configured for encrypted transmissions.

#### Receiver with PIN code

The receiver is available in several models: a wall-mounted unit with display, a wall-mounted unit without display, and a

smaller unit for DIN mounting. The display unit makes it easy to add or remove new transmitters and system users. It also has a removable memory card for operationally critical systems, which allows each receiver to be used with a large number of transmitters. Settings in the receiver may be password-protected with a four-digit code, restricting its functionality to authorised users. Settings and access are controlled easily using the keypad on the display receiver.

#### Configuration tools

The Sesam MC manager is a configuration tool that assists in administration of PIN codes and simplifies installation, configuration, testing and maintenance of large-scale Sesam 800 door installations.

## SESAM 800 Small 6

Number of functions/buttons:  
6

Supply voltage:  
3V (2xAAA)

Temperature range:  
-25°C to +55°C

Frequency:  
869.8 MHz GMSK

Response time:  
50 ms (typ.)

Art. No.  
Sesam 800 Small 6:

Output power:  
5 mW

Current consumption:  
15 mA during transmission

Protection class:  
IP67

Size:  
75 x 46 x 22 mm

Weight:  
80 g (incl. batteries)

944574-000



## SESAM 800 Medium

Number of functions/buttons:  
6

Supply voltage:  
3V (2xAA)

Temperature range:  
-25°C to +55°C

Frequency:  
869.8 MHz GMSK

Response time:  
50 ms (typ.)

Art. No.  
Sesam 800 Medium 6:

Output power:  
5 mW

Current consumption:  
15 mA during transmission

Protection class:  
IP67

Size:  
100 x 60 x 25 mm

Weight:  
130 g (incl. batteries)

940338-000





# SESAM

## Sesam 800 — Receivers

The Sesam 800 receivers are available in three models: wall-mounted unit with LCD display, wall-mounted unit without LCD display, and a smaller unit for DIN mounting. The LCD character display makes it easy to add or remove new transmitters and system users. It also has a removable memory card for operationally critical systems, which allows each receiver to be used with a large number of transmitters. Settings in the receiver may be password-protected with a four-digit code, restricting its functionality to authorised users. Settings and access are controlled easily using the keypad on the display receiver.

### SESAM 800 RX

**Number of relays:**  
3 (SPDT)

**Memory capacity:**  
Max 100 transmitters

**Frequency:**  
869.8 MHz GMSK

**Supply voltage:**  
12-24V AC/DC or 230V AC

**Current consumption:**  
60mA (+30mA when the relay is active) at 12V DC

**Relay contact rating:**  
NO/NC 8A/3A 230V AC (resistive load)

**Power consumption:**  
Max 5W

**Art. No.**

**Sesam 800 RX 230V:**

**Sesam 800 RX 12-24V AC/DC:**

**Response time:**  
50 ms (typ.)

**Temperature range:**  
-25°C to +70°C

**Protection class:**  
IP65

**Size:**  
120 x 90 x 51 mm

**Weight:**  
450 g

**Other:**  
16.7 million unique codes, CRC-16 hashcheck, configurable security mode with encrypted authentication

**940156-000**

**941244-000**



### SESAM 800 RXD

**Number of relays:**  
3 (SPDT)

**Memory capacity:**  
500 transmitters or groups of transmitters (with L99) max.

**Frequency:**  
869.8 MHz GMSK

**Supply voltage:**  
12-24V AC/DC or 230V AC

**Current consumption:**  
60mA (+30mA when the relay is active) at 12V DC

**Relay contact rating:**  
NO/NC 8A/3A 230V AC (resistive load)

**Output power:**  
Max 5W

**Art. No.**

**Sesam 800 RXD 230V:**

**Sesam 800 RXD 12-24V AC/DC:**

**Response time:**  
50 ms (typ.)

**Temperature range:**  
-25°C to +70°C

**Protection class:**  
IP65

**Size:**  
120 x 90 x 51 mm

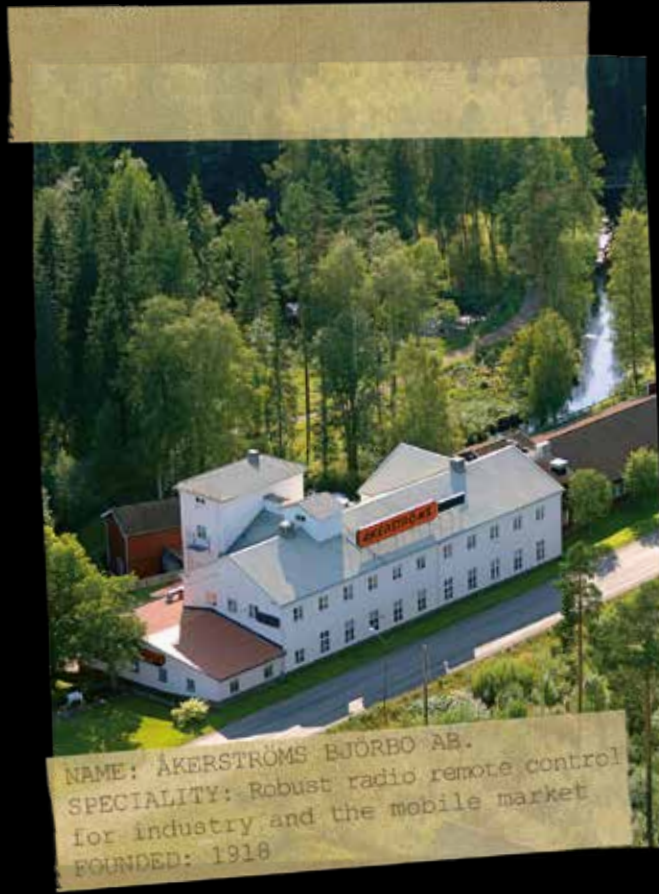
**Weight:**  
450 g

**Other:**  
16.7 million unique codes, CRC-16 hashcheck, configurable security mode with encrypted authentication

**940224-000**

**941243-000**





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