Sesam

Robust radio remote control for industrial and mobile applications

ÅKERSTRÖMS

ROBUST SWEDISH DESIGN SINCE 1918

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.

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Sesam 800 — Transmitters

The Sesam 800 transmitters are highly robust and easy to use. They are available in six models. Sesam 800 Large 99 is our most advanced transmitter. With the capability to control up to 1,000 receivers, this system is perfect for large installations. The Large 99 transmitter supports group ID coding and can be used with Sesam MC Manager, our proprietary configuration tool that simplifies the installation, configuration, testing and maintenance of large-scale installations. The transmitters have separate, easy-to-push buttons of high quality that can manage more than 1 million button presses. They come equipped with a shock-protective frame.

SESAM 800 Keyring

Number of functions/buttons: 3	**Output power:** 5 mW
Supply voltage: CR2025 X2, 6V (2x3V)	**Current consumption:** 15 mA during transmission
Temperature range: -25°C to +55°C	**Protection class:** IP65
Frequency: 869.8 MHz GMSK	**Size:** 67 x 44 x 13 mm
Response time: 50 ms (typ.)	**Weight:** 30 g

Art. No.	
Sesam 800 Keyring:	940332-000

SESAM 800 Small 3

Number of functions/buttons: 3	**Output power:** 5 mW
Supply voltage: 3V (2xAAA)	**Current consumption:** 15 mA during transmission
Temperature range: -25°C to +55°C	**Protection class:** IP67
Frequency: 869.8 MHz GMSK	**Size:** 75 x 46 x 22 mm
Response time: 50 ms (typ.)	**Weight:** 80 g (incl. batteries)

Art. No.	
Sesam 800 Small 3:	940334-000

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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

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

Art. No.
Sesam 800 RX 230V: 940156-000
Sesam 800 RX 12-24V AC/DC: 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

Response time:
50 ms (typ.)

Temperature range:
-25°C to +70°C

Protection class:
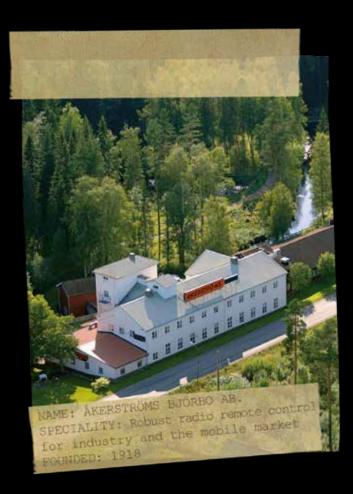IP65

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

Art. No.
Sesam 800 RXD 230V: 940224-000
Sesam 800 RXD 12-24V AC/DC: 941243-000

NAME: ÅKERSTRÖMS BJÖRBO AB.
SPECIALITY: Robust radio remote control for industry and the mobile market
FOUNDED: 1918

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