Sesam 800

Robust radio remote control for industrial applications

For more than 60 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 transmitters

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 four receiver models; one with and one without LCD display and two smaller rail mounted DIN receivers. The receiver equipped with LCD character display makes it easy to add or remove new transmitters and users of the system. This can also be equipped with a detachable memory card for businesscritical 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/door installations.

Technical facts

SESAM 800 TRANSMITTERS

	LARGE 99	LARGE 15	M6 MEDIUM	S3, S6 SMALL	K3 KEYRING
Number of functions/buttons	3	15	6	3 alt 6	3
Controlled units	1000	-	-	-	-
Voltage	3V (2xAA)	3V (2xAA)	3V (2xAA)	3V (2xAAA)	CR2025 X2, 6V (2x3V)
Output power	5mW	5mW	5mW	5mW	5mW
Current consumption	30 mA during transmission	15 mA during transmission	15 mA during transmission	15 mA during transmission	15 mA during transmission
Protection class	IP 67	IP 67	IP 67	IP 67	IP 65
Size (max)	120 x 75 x 30 mm	120 x 75 x 30 mm	100 x 60 x 25 mm	75 x 46 x 22 mm	67 x 44 x 13 mm
Weight	200g incl. batteries	200g incl. batteries	130g incl. batteries	80g incl. batteries	30g
Other	Low battery warning				

Sesam 800 receivers

Technical facts

SESAM 800 RECEIVERS

	Wall receiver		DIN receiver (1 alt 3 relays)
Supply voltage:	12-24V AC/DC or 230V AC		12-24V AC/DC
Current consumption:	60 mA (+30 mA when the relay is active) at 12V DC		60 mA (+30 mA when the relay is active) at 12V DC
No. of relays:	3 relays (SPDT)		1 alt 3
Relay contact rating:	NO/NC 8A/3A 230V AC (resistive load)		NO/NC 8A/3A 230V AC (resistive load)
Power consumption:	5W max.		5W max.
Memory capacity with / without character display:	500 transmitters max	100 transmitters max	100 transmitter max
Protection class:	IP 65		–
Size:	120 x 90 x 51 mm		85 x 75 x 30 mm
Weight:	450g		180g
Options:	LCD character display and detachable memory card		–
Frequency:	869,8 MHz GMSK		
Response time:	50 ms (typ)		
Temperature range:	–25ºC - +55ºC		
Other:	16,7 million unique codes, CRC-16 checksum, configurable security mode with encrypted autentication		

Sesam 800 Range Extender (230V) extended range (up to double).
Compatible with all untis within the Sesam 800 industrial range.

Examples of accessories. Holders for vehicle and wall