

AY-x6255

CSN SELECT Smart Card Readers



Rosslare's AY-K/M/H/L/R6255 are powerful RFID smart card readers of multi-format 13.56 MHz credentials, featuring multi-format output and an excellent read range. The readers are highly flexible with behavior control options. With a sleek design, the AY-K/M/H/L/R6255 blends in to any indoor environment.

GENERAL DESCRIPTION

The AY-K/M/H/L/R6255 models offer a versatile solution to reading credentials within a sleek design and small footprint. It reads multi-format 13.56-MHz smart card, provides selectable output format, as well as OSDP* connectivity, while offering various control options such as hold, buzzer, and multi-LED color control.

MAIN FEATURES

- CSN reading in the following formats:
 - MIFARE Ultralight / Ultralight C
 - MIFARE Classic
 - MIFARE Plus S / Plus X
 - MIFARE DESFire EV1
 - ISO 14443A/ ISO 18092 (NFCIP-1)
 - ISO 14443B
 - ISO 15693/Felica/Topaz/iClass
- Various output formats such as Wiegand 26-Bit, 32-Bit, 34-Bit, 37-Bit, 40-Bit, 56-Bit and 64-Bit for up to 8 Byte SN transmissions
- OSDP connectivity option

PROFESSIONAL GRADE FEATURES

- Internal sounder with external control option
- Hold function to disable the reader's activity
- Auxiliary input can be used for buzzer control, hold ignore or hold buffered
- 1 tri-colored LED operation in AY-K/M/H/L6255
- RGB illuminated reader able to produce red, green, magenta, purple or blue illumination according to input control managed by the access control system in AY-R6255
- Optical wall tamper detection
- Made of tough polycarbonate UV-resistant plastic
- Comes with mounting template for easier installation

*OSDP – Open Supervised Device Protocol

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	8 ~ 16 VDC, from a regulated power supply
■ Standby Input Current	100 mA
■ Maximum Input Current	120 mA
■ Proximity Card Reader	Maximum read range* 3 cm (1.2 in.) Modulation: ASK at 13.56 MHz * Measured using Rosslare's MIFARE card or equivalent. Range also depends on the electrical environment and proximity to metal.
■ Tamper Output	Open collector, active low, max. sink current 16 mA
■ Aux/LED Control Input	Dry Contact, N.O.

OPERATIONAL SPECIFICATIONS

■ Output Format	Selectable Wiegand, OSDP
■ Audio/Visual	Tri-colored LED indicator in AY-K/M/H/L6255 and RGB illumination in AY-R6255, built-in sounder

ENVIRONMENTAL SPECIFICATIONS

■ Operating Environment	Weather-resistant, meets IP65, epoxy-potted, suitable for indoor and outdoor use
■ Operating Temperature Range	-30°C to 66°C (-22°F to 151°F)
■ Operating Humidity Range	0% to 95% (non-condensing)
■ RFI Protection	> 20 V/m up to 1000 MHz

PHYSICAL SPECIFICATIONS	AY-K6255	AY-M6255	AY-H6255	AY-L6255	AY-R6255
■ Dimensions (H x W x D)	80.5 x 40.5 x 14.7 mm (3.2 x 1.6 x 0.6 in.)	89.5 x 88.9 x 16.8 mm (3.5 x 3.5 x 0.7 in.)	110.7 x 75 x 17.1 mm (4.4 x 3.0 x 0.7 in.)	144.9 x 42.9 x 22.1 mm (5.7 x 1.7 x 0.9 in.)	120 x 89 x 21 mm (4.7 x 3.5 x 0.8 in.)
■ Weight	77 g (2.7 oz)	145 g (5.1 oz)	163 g (5.7 oz)	126 g (4.4 oz)	202 g (7.1 oz)

SYSTEM COMPONENTS

The AY-K/M/H/L/R6255 are compatible with a variety of Rosslare's controllers, as well as with many third-party access control systems supporting Wiegand or OSDP interfaces.

PRODUCT WARRANTY

5-Year Limited Product Warranty

ABOUT ROSSLARE SECURITY

Rosslare Security Products manufactures and markets high-quality security products via its worldwide offices and channel partners. Since 1980, Rosslare has offered high-quality systems for enterprise, small business, and residential applications. With Rosslare, you receive the best of all worlds: world-class product engineering and design; professional customer service spanning the globe; and the quality and affordability of a vertically integrated and self-owned manufacturing facility. Our expansive product range features much more than access control solutions and guard patrol management systems; we also offer applications software – such as License Plate Recognition, Time & Attendance, and DVR/alarm integration.

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5505-0285101-03
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