TX3
Series

Description

The SR-2400-GR-MP Proximity Card Reader is the value-leader for Access Control applications. With a range up to 5.5 inches, the SR-2400-GR-MP reader delivers excellent performance without compromising quality, durability, attractive appearance, and ease of installation.

Installation

The SR-2400-GR-MP reader is designed to fit perfectly on the 1-3/4 inch standard metal door frame or window mullion. The metal-compensation that is built into every SR-2400-GR-MP reader assures minimal loss of read range when the reader is mounted on a metal surface. The SR-2400-GR-MP reader also can be fastened by 2 screws on any wall or other surface. Installation may be indoors or outdoors, exposed to weather.

Features

The SR-2400-GR-MP reader contains a 3-color LED and a 4 kilohertz beeper. Both LED and beeper are controlled by the reader itself, and also can be controlled externally by the host system. The LED can indicate access-granted by the host. The beeper can be used as an alarm that prevents further card reads until the alarm condition is cleared.

Testing

The reader is self-testing – using its own LED and beeper, it needs no interface to a controller to assure the installer and cardholder of correct performance. The reader is also selfdiagnostic – if DC power is unstable, or if electrical noise is induced in the cable, the reader resets and its LED changes to amber.

Operation

SR-2400-GR-MP proximity readers use a re-present mode that requires that the user remove the card from the reader's field before the card can be read again. This feature eliminates multiple reads from a single presentation of the card. The SR-2400-GR-MP has both Wiegand data interface for basic 4-wire connection (6 wires when all features are controlled), and also RS-232 serial interface. Code transmission from both interfaces is simultaneous.

Features

- **Compact size**
  Fits on a mullion or door frame

- **Clean, slim design**
  Matches good architecture at site

- **Ready for rough usage**
  Rugged, strong construction

- **Ready for adverse weather**
  One-part enclosure with potting

- **Easy mounting**
  2 screws (supplied) for fastening

- **Special read range in a small unit**
  Up to 5.5 inches with cards

- **Visual and audible indicators**
  3-color LED and beeper inside reader

- **Controllable functions in reader**
  LED and beeper can be wired to panel

- **Easy power**
  Connects to panel's DC terminals

- **Quick wiring to host panel**
  Basic 4-wire hook-up; 6 wires maximum

- **Standard Wiegand data output**
  Data-0 & Data-1 panel connection

- **Compatible with other readers**
  Same interface used in other readers

- **Uniform code format**
  Standard 26-bit plus special codes

- **No programming in reader**
  SR-2400-GR-MP is ready to read all AWID codes

- **Self-testing for good operation**
  LED & beeper indicate performance

- **High value ratio**
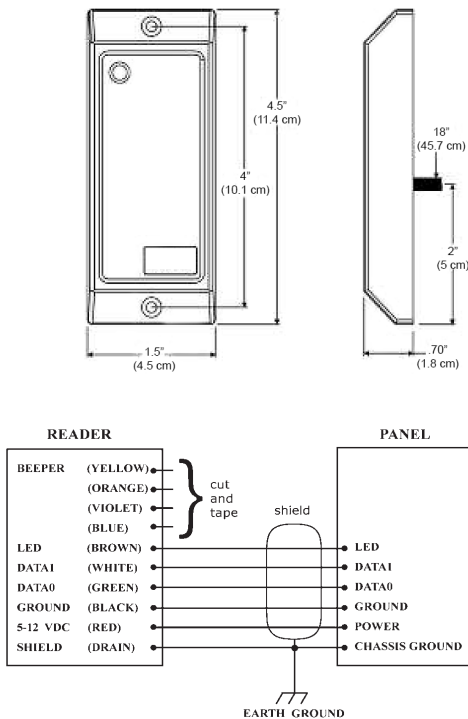 Excellent performance; modest cost

Environment

The SR-2400-GR-MP reader is ready for challenging applications. The ABS plastic onepart enclosure, fully potted at the back surface with epoxy resin, stands up to physical abuse and adverse environment.

Credentials

All of AWID's 125 kilohertz proximity credentials may be used with the SR-2400-GR-MP reader. This includes clamshell and graphics-quality cards, keytags, hangtags and adhesive wafers. Read range varies with the credential type.

NOT TO BE USED FOR INSTALLATION PURPOSES.
THIS INFORMATION IS FOR MARKETING PURPOSES ONLY AND
NOT INTENDED TO DESCRIBE THE PRODUCTS TECHNICALLY.

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6577

Specifications

Accessories and Supplies

Mounting hardware

2 #6-32 x 1" thread-cutting screws (supplied). Use other fasteners as needed for mounting

Power supply

Reader operates with voltage between +5 volts and +12 volts DC. Most controller panels provide suitable voltage on power and ground terminals. External linear, regulated DC power supply may be used (100 mA or more current rating).

Cable for power and data

22 gauge, stranded, color-coded, overall shielded, not twisted pair. 4 to 6 conductors depending on connection of reader's controllable functions (LED and beeper). For Wiegand, up to 500 feet.

Credentials

Proximity cards, keytags, hangtags and wafers

Mircom offers a selection of cards, tags and wafers for use with the SR-2400-GR-MP readers

Operating Characteristics	
Reading Distance	With cards – up to 5.5 inches (14 cm) (varies with credential type, voltage applied to reader, and local conditions)
Excitation Frequency	Text
Antenna Output	Omni-directional low-frequency RF field
Indicators (Control by Reader and Panel)	LED – 3 colors, red-amber-green Beeper – piezo-electric, 4 kHz tone
Power Supply	+5 volts to +12 volts DC ± 10%, linear, regulated; current rating: 100 mA or more
Communication Protocols	Wiegand electrical protocol
Code Formats:	Determined by AWID's credentials programmed with 26 bits to 50 bits
Cable (for Wiegand Interface)	4 to 6 conductors (not twisted pairs), stranded, 22 gauge, color-coded, overall 100% shielded, plastic jacket, up to 500 feet

Physical Characteristics	
Dimensions	4.5 x 1.8 x 0.7 inch (11.4 x 4.5 x 1.8 cm)
Weight	4 ounces (113 g)
Material	ABS 1-part enclosure, dark gray color Epoxy resin potting at rear surface
Cable (Integrated with Reader)	10 conductors, 22 gauge, 18 inches long. Overall shielded, plastic jacket
Mounting	Door frame, window mullion, wall, cabinet

Environment	
Operating Temperature	-31°F to 150°F (-35°C to 65°C)
Operating Humidity	0% to 95% non-condensing
Avoiding Interference	Optimize reader performance by spacing or shielding reader from neighboring readers, including reader on other side of wall at door.

Certificaation
ISO-9001:2000; FCC Part 15; IC; UL listed

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Ordering Information

Model	Description
SR-2400-GR-MP	Proximity Reader, Mullion Mount