

LR-2000™ Sentinel-Prox™ Extra Long-Range Reader



AWID's Sentinel-Prox™ Long-Range Reader - LR-2000 is a UHF RFID reader with an integrated fine-tuned antenna. The LR-2000 is optimally designed for Automatic Vehicle Identification (AVI) and Access Control applications such as parking entry and gate control. This LR-2000 Reader system also provides security-sensitive AWID proprietary encrypted vehicle UHF tags in a variety of types and styles. The LR-2000 integrated RFID reader-antenna system is ideal for outdoor AVI application as well as indoor applications such as asset monitoring and tracking. The system offers price/performance characteristics over traditional long-range proximity card systems. In addition, the LR-2000 can be used together with the UA-612 door access reader, allowing the same cards/tags to be used for both vehicle parking access AND building/door access!!!



Reader installed inside housing

Operating in the license-free 900MHz UHF band, the LR-2000 is the first Access Control reader that combines the convenience of UHF technology with a programmable repetition rate and the Access Control industry's standard Wiegand format. It is manufactured in an ISO 9001:2000 certified facility providing the highest quality standard. This reader is furnished with an impressive combination of high styling and ranges from 8 feet to 15 feet, dependent on the type of tag. (see pg. 14 for chart). It offers Wiegand and RS-232 protocol interfaces with simultaneous data output, providing compatibility with all standard access control panels and systems.



Graphics Card

Features

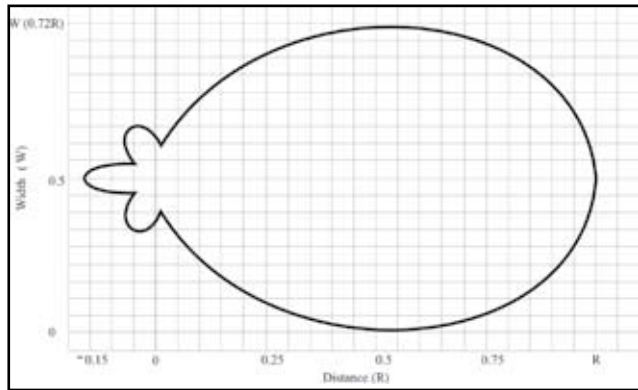
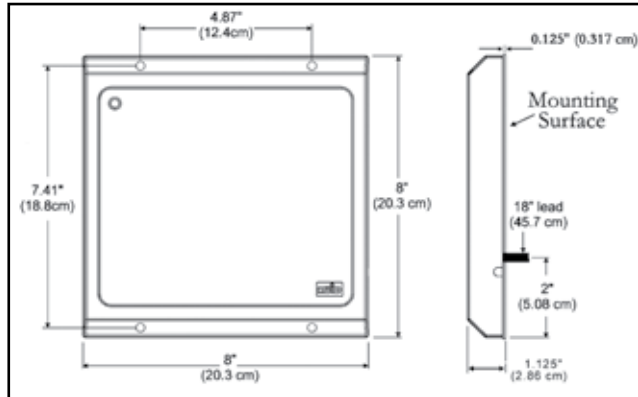
- Read Ranges of 8 feet to 15 feet
- Compact package of 8 x 8 x 1.125 in.
- Programmable read repetition rate for one-shot or multiple reads
- Utilizes passive RFID technology; no battery required for tags
- Industry standard Wiegand and RS-232 data output
- Certified with FCC regulation

Benefits

- Superior read range performance for AVI and Access Control applications
- Integrated reader and antenna
- Ideal for outdoor applications*
- No programming required for standard installation
- Cost-effective UHF long read range passive tags
- Compatible with all standard Access Control Systems
- No FCC license required for users
- Easy installation with LR-2000 installation kit

LR-2000™

Sentinel-Prox™ Long-Range Reader



Required Accessories

- PS-12-3.3 A(Power Supply) The PS-12-3.3A has output of 12 volts DC, 3 ampere capacity, regulated. It is suitable for powering the LR-2000 reader.
- LR-911MB (Mounting Bracket) The LR-911MB is specifically designed for use with the LR-2000 reader. This unit has a swivel bracket head that facilitates the aiming of the LR-2000 via flexible up/down and side/side movement. The LR-911MB can be mounted in either a horizontal or vertical position allowing for maximum flexibility.
- **LR-2000KIT (Installation Kit) It is essential and required for all installers to use the LR-2000KIT as a tool to assist in the setup and installation of all LR-2000 readers.**

Credential Options

- VT-UHF-0-0 - ProxLinc™ UHF Visor Tag for vehicles.
- HT-UHF-0-0 - ProxLinc™ UHF Hang Tag for rear view mirror
- CS-UHF-0-0 - ProxLinc™ UHF Clamshell Badge.
- GR-UHF-0-0 - ProxLinc™ UHF Graphics Card
- RV-UHF-0-0 - ProxLinc™ UHF Rear View Mirror Tag
- WS-UHF-0-0 - ProxLinc™ UHF Windshield Tag

See Pg. 14 for Read Ranges

SPECIFICATIONS

PERFORMANCE CHARACTERISTICS

Read Range:

8-15 feet (2.6-5.0 meters)

Frequency:

UHF band 902MHz to 928MHz for USA
(Contact AWID for other countries)

Antenna Type:

Circular Polarized

Voltage:

7-15V DC

Current:

0.4A - 1A

Communication protocol:

Wiegand and RS-232

Data Format:

Configurable 26 bit to 50 bit

Cable to Controller (Wiegand interface):

6 conductors stranded 22AWG or larger,
color-coded insulation, overall 100%
shield

PHYSICAL CHARACTERISTICS

Dimensions:

8x8x1.125in (20.32x20.32x2.85cm)

Weight:

37.5oz (1.06kg)

Color:

Beige housing on aluminum plate

Mounting:

Easy setup via mounting bracket
accessory (p/n LR-911MB)

ENVIRONMENTAL

Operating Temperature:

-13°F to 140°F (-25 °C to 60 °C)

Operating Humidity:

0-95% non-condensing

Regulatory:

FCC Part 15

Industry Canada

Note:

Unit is splash proof, not water resistant



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