LR-3 Pro Reader Product Sheet

Long-Range RFID Microwave Reader

KEY FEATURES:

- Consistent read-range up to 15 ft*
- Frequency hopping capability (FHSS**)
- OSDP, Ethernet (TCP/IP), Wiegand, RS232 and RS485 serial communication
- IP66 – no additional weather housing required
- Low RF power output – license free worldwide
- Real-time clock (RTC)
- Configured and controlled via the Ethernet interface, locally or remotely

TagMaster's LR-3 Pro is a versatile, all-purpose, compact, 2.45GHz RFID Reader with a read range of up to 15 ft*. The LR-3 Pro is built around a standard Linux operating system and has an open-development platform enabling customer specific adaptations as well as specialized applications that can be developed by the TagMaster in-house Development Team.

Long Range Identification

A long range 2.45GHz RFID Tag can be identified up to 15 feet* using the LR-3 Pro Reader. The read-only Tags used are battery powered, keeping the Tag alert for an instantaneous response to the Reader signal.

LED & Buzzer Indication Control

The built-in high intensity red and green LEDs provide the user visual verification that the Tag has been read by providing a status indication. The LED and buzzer indicators provide a better definition of the read lobe enabling quick and easy installation and configuration.

Easy Integration

All of TagMaster's systems support an extensive variety of **industry standard protocols** including OSDP, Ethernet (TCP/IP), RS232 and RS485 serial communication, as well as Wiegand interface.

The LR-3 Pro includes features, such as frequency hopping, allowing the Reader to hop between frequencies within the specified band while ensuring a smooth and stable operation in multi-reader environments and other RF intensive areas.

Applications

The LR-3 Pro Reader is designed for long-range applications such as:

- Gated communities & condominiums
- Airport parking & Ground Transportation Management Systems (GTMS)
- University and hospital parking
- Commercial and corporate parking areas
- Commercial Vehicle Management Systems (CVM)

Part No. Information

LR-3 Pro	154400
Ceiling Mounting Kit	S1902
Universal Mounting Kit	S1936
Cable	S1915

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SPECIFICATIONS

Technical Information Part No. 154400	LR-3 Pro
Read range*	Up to 15 ft*
Operating Frequency	2.435 to 2.465 GHz (FHSS** 2.400 to 2.484 GHz)
Operating Temperature	-40°F (-40°C) to +140°F (+60°C)
Dimensions	8.9 x 5.6 x 2.0 in
Weight	1.65 lbs.
Housing	The housing is made from UL94 certified XENOY™ plastic, known for its strength and durability.
Protection	IP66 – no additional weather housing required
Power Supply	24 VDC 1 AMP
Power Consumption	5W (Max: 10W)
Cable (Sold Separately)	Part No. S1915 25 ft, Cat5e 350 MHz, Nylon Rip Cord, for Ethernet, Wiegand, Serial RS232/Serial RS485, and Power.
Cable Conductor	18/2 AWG for Power 22/2 AWG + GND for Interfaces
Range Detection	LED and Buzzer indicators
Optional Mounting Accessories	Part No. S1902 Ceiling Mounting Kit Part No. S1936 Universal Mounting Kit
Interfaces	OSDP, Ethernet (TCP/IP), Wiegand, RS232 and RS485.
Certificates & Standards	CE Certificate according to R&TTE-Directive 1999/5/EC, FCC M39LRXX, UL Listed E345040

*Depends on Reader mount and ID-tag

**Permissible subject to local regulations

The information in this document may be subject to change without prior notice.