V-TRACK™ Patent Pending

Long Range Automatic Vehicle ID System

- Up to 30 feet (9 m) Read Range
- Ideal Solution for Parking Lots, Garages, and Gated Communities
- No trenching required for most applications
- Can manage entry and exit lanes simultaneously
- Compatible with most access control systems
- Can be programmed to any standard Wiegand format

Keri Systems is setting a new standard for Automatic Vehicle ID (AVI) with the development of its **V-TRACK™** Long Range Reader and Transponder (ID tag) system. The **V-TRAC™** system has none of the short range and installation problems associated with present AVI products. This new technology has a read-range of up to 30 feet (9 m), with a credit card sized transponder installed on the windshield inside the car, and is not affected by windshield glass or type of vehicle. This makes it ideal for easy, simple installation in a variety of applications, such as parking lots and garages, and gated community entrances. All **V-TRAC™** components are FCC compliant and no site license is required.

THE V-TRACK™ SYSTEM - Theory of Operation

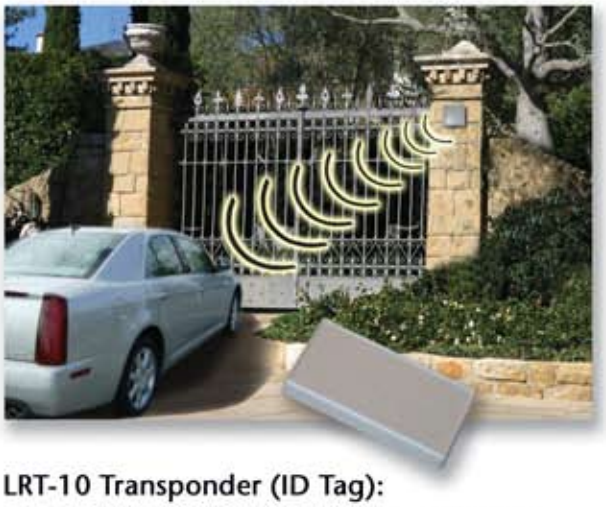
The system consists of three basic components: an EX-10 Exciter, an RXR-10 Receiver, and a quantity of ID Transponders called LRT-10s. The Exciter, usually mounted overhead or on a nearby post, puts out a flashlight shaped RF beam at 900 MHz, which is sensed by the Transponder. The Transponder, recognizing its "turn-on" code, sends back an ID number to the Receiver. The ID number transmission is sent on a hyper-secure data stream. The Receiver is designed to receive the Transponder signal from a longer distance than the turn-on signal, so it can be located up to 100 feet (30 m) away inside a gate house, office, or other convenient area near the device controlling the gate, such that no cable trenching is required in most cases. With the correct, matching receiver, Transponders can be programmed like any proximity card to match any standard Wiegand or Keri MS card format for easy interface to all popular card access systems.

Because the Receiver is dual channel, it can manage both entry and exit gates simultaneously. This requires only one extra Exciter at the exit gate. Vehicles arriving at both entry and exit gates at the same time are read automatically wihtout interference or data collision.

V-TRACK™ Long Range Automatic Vehicle ID System

KERI SYSTEMS INCORPORATED
2305 Bering Drive • San Jose, California 95131
408-435-8400 • Toll Free: 800-260-5265 • Fax: 408-577-1792
e-mail: sales@kerisys.com web: www.kerisys.com

V-TRACK™
Long Range Automatic Vehicle ID System



PRIMARY FEATURES:

LONG RANGE – Up to 30 feet (9 m) with LRT-10 Transponder mounted inside the windshield, upper or lower corner opposite the driver. No FCC license required.

PREDICTABLE COVERAGE – Flashlight-shaped beam of the EX-10 Exciter is a well defined RF pattern which predictably illuminates the Transponder.

WINDSHIELD TAG – LRT-10 turns on when it receives its coded *turn-on* signal from the EX-10, and sends back its unique code via UHF signal to the RXR-10 Receiver, located up to 100 feet (30 m) from the vehicle.

Long Life:	5 to 7 years based on the shelf life of the lithium battery and normal usage. Standard coin-cell battery is easily replaced if ever needed.
Formatting:	Same as Keri's MS format or Wiegand format proximity cards. Can be intermixed into database the same as any proximity card.
Easy Install:	No outside mounting required. Works behind all known common windshield glass types. Single lane applications typically require no cable trenching to controller.
Warranty:	2 years against defects in material and workmanship.

SYSTEM COMPONENTS

EX-10: Exciter radiates directional, flashlight-shaped 900 MHz pattern to turn on Transponder. Antenna and electronics are self-contained in a weather proof enclosure.

LRT-10: Transponder is a credit card sized tag: 3.38" x 2.14" x .46" thick (8.7 cm x 5.4 cm x 1.4 cm) Self adhesive, can also be glued.

RXR-10: Receiver/Reader Dual Channel – receives ID signal from Transponder from up to 100 feet (30 m) away. Outputs data in Keri MS format, as well as standard Wiegand formats. Unit is housed in a weather proof enclosure. Approximate size: 3" x 6" x 2" deep (7.6 cm x 15.25 cm x 5 cm)

KPS-4: Standard Keri 12 vdc 2 amp power supply.

VT-10 Kit: Consists of EX-10, RXR-10, KPS-4, and LRT-11 Test Transponder.

LRT-10 Transponder (ID Tag):
Approximate Size: 3.5" x 2" x .25" deep
(8.9 cm x 5 cm x 0.6 cm)

EX-10 Exciter Front View:
Approximate Size: 10" x 10" x 3" deep
(25 cm x 25 cm x 8 cm)

EX-10 Rear View:

Presented By:

KERISYSTEMS INCORPORATED

01507-001