LONG-RANGE CARD READER KIT

The DoorKing UHF card reader is designed as a long range RFID card reader using passive card technology. Passive card technology does not contain a battery in the cards so they never wear out. The long range card reader emits an RF signal which powers the card when the card enters the scanning area of the card reader antenna. The card relays its Wiegand number back to the card reader which reports the card's number to the connected access control system. There is an interface module supplied with the card reader that eliminates the need to set up the system using a computer. All necessary settings and adjustments can be made using the DIP and rotary switch on the card reader control board. It is an effortless way to open the gate for authorized vehicles. Mount an authorized card in the car that the antenna is able to scan and the gate will open as the car approaches.

The system will work with 26-Bit wiegand controllers. It uses frequency-hopping technology in the 902-928 MHz band (standard).

ISO Card UHF P/N 1508-190

Accessories sold separately: UHF/DK Prox Dual Technology Card P/N 1508-198

Card Windshield Holder P/N 1815-318

Rear View Mirror Holder P/N 1815-319

Modes of Operation

The UHF long range reader can operate in two different modes: **Timing** and **Trigger** mode which are selectable using SW2, DIP-switch 1 on the control board.

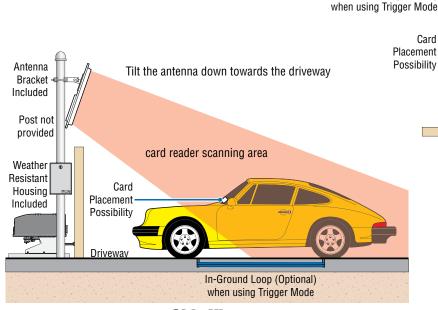


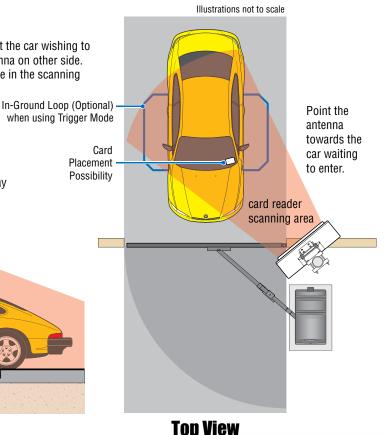
Timing Mode: If DIP-switch SW2, **switch 1** is set to the "**OFF**" position (left), the card reader will work in **Timing** mode. It **WILL** attempt to read cards that are within reading range at a rate determined by DIP-switch SW2, switches 2, 3 and 4. See other side for **Timing** mode wiring and DIP-switch settings.

Trigger Mode: If DIP-switch SW2, **switch 1** is set to the "**ON**" position (right), the card reader will work in **Trigger** mode. It **WILL NOT** attempt to read cards **UNLESS** the two trigger signal wires are shorted together (car on loop). Connect the dry contact relay wires of a vehicle loop detector to the loose red and black trigger wires on the long range antenna. See other side for "Optional" **Trigger** mode wiring and DIP-switch settings.

Installation

Mount the Antenna up high on a post (post not provided). Point it at the car wishing to enter the property. See "**Test Mode**" section to properly adjust antenna on other side. Make sure cars that have already passed through the gate will not be in the scanning area of the card reader.





Side View

Card Placement on Cars: The card should be placed on the side of the car closest to where the reader is positioned on the driveway. Usually inside the car in the lower or upper corner of the windshield or hanging from the rear view mirror. The card needs to be placed in visual sight of the antenna or the antenna will NOT be able to read the card. Never place the card in a position that will block the drivers vision.



