KU90UHF - UHF Reader

Ultra-high frequency long-range reader solution

dormakaba

UHF long range reader solution for secure parking and gate control

Keyscan KU90UHF readers offer a long-range solution for parking and gate control. Featuring advanced encryption technology, the solution delivers a secure ultra-high frequency (UHF) solution that function seamlessly with Keyscan access control systems. The KU90UHF offers a read range of up to five meters and supports the ability to combine building access with parking and gate control on a single card or fob.

Utilizes state-of-the-art authentication through the iCLASS SE Secure Identity Object (SIO) data model. When paired with SIO-enabled UHF credentials, the platform provides trusted and secure communication between the card and reader to prevent unauthorized access.

The reader includes a rugged housing that protects the antennae and electronics from harsh outdoor conditions. The readers are also built on the VESA standard and do not require custom mounting hardware. Once installed, the KU90UHF can be locally configured via Ethernet port and a user-friendly web interface for ease of maintenance.

Convenient: Discreet hands-free authentication solution.
Dynamic: Field configurable for ease of maintenance.
Compliant: Secure Identity Object® (SIO®) technology.

A long-range solution that is convenient, dynamic and secure

The KU90UHF reader functions only with SIO enabled UHF credentials (see over). Credentials are available as UHF only (KIUHF) or UHF and Keyscan iCLASS SE format (KI4KSEUHF) providing a secure ultra-high frequency long-range parking and building access control.

WSHLDMT An optional windshield mounted credential holder is available for semi-permanent mounting in the transponder location* of your windshield. These credentials can be read from distances of up to five meters.

Features and Benefits:

• Multi-layered security (beyond the chip security) – Ensures data authenticity and privacy through SIO supporting state-of-the-art cryptography (with AES 128 cryptography).
• SIO data binding – Inhibits data cloning by binding an object to a specific credential.
• Reader has easy configuration with the embedded web interface - programming is required before operation.

Specifications

Typical read range*	3 to 5 meters (9.8 ft - 16.4 ft)
Color	Black
Dimensions - Inches Dimensions - CM	9.10 x 9.10 x 2.75 23.1 x 23.1 x 7.0
Operating voltage range	12 VDC or 24 VDC
Standard current draw (mA)**	320 @ 12VDC / 160 @ 24VDC
Peak current draw (mA)***	1000 @ 12VDC / 500 @ 24VDC
Operating temperature	-30º to 150º F (-35º to 65º C)
Operating humidity	5% to 95% relative humidity non-condensing
Transmit frequency	902 – 928 MHz (North America)
Mounting	Drill mounting box to meet application. Drill points provided for US and EU boxes and 75 mm, 100 mm, 200 mm VESA mounts.
Card compatibility	Keyscan KIUHF (UHF only) Keyscan KI4KSEUHF (iCLASS SE & UHF)
Cable distance	Wiegand Interface 500ft (150m) (22AWG) Use Shielded cable for best results
Housing material	UL94 Polycarbonate
Certifications	UL294/cUL (US), FCC Certification (US), IC (Canada)
Optional Credential windshield mount	Keyscan part: WSHLDMT