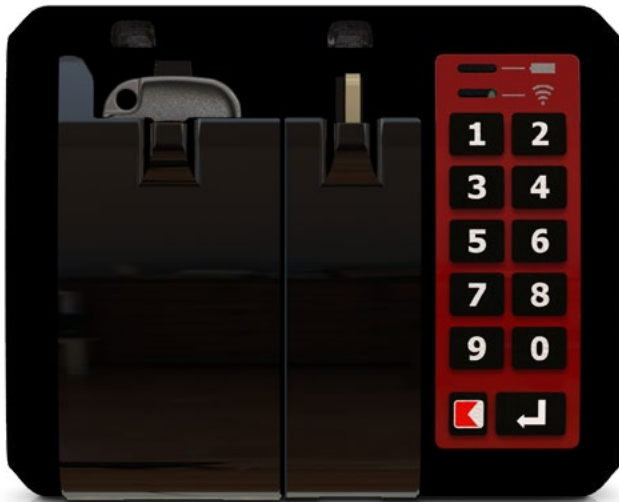


PROGRAMMING AND CHARGING SYSTEM FOR PASSENGER VEHICLES

KeyDefender is a compact key control system specifically designed for use in passenger vehicles. It provides secure charging and communication for one Knox eKey and one mechanical access key. This innovative approach to security conceals keys from view and enables eKey retainers to be removed from the vehicle when not in use. Power inputs are compatible for use in vehicles without shore power and are designed to help prevent draining vehicle batteries.

**MODULAR:**

The eKey retainer can be removed to upload ekey data and charged when vehicles are not in use

FLEXIBILITY:

KeyDefender holds up to one eKey and one mechanical key key

SECURITY:

Knox eLock keys are securely locked, concealed out of view, and tracked through KnoxConnect

ACCOUNTABILITY:

KnoxConnect maintains the accountability and integrity of the system by tracking user access by name, date, and time

SMALLER SIZE:

A reduced footprint allows for easier mounting in passenger vehicles

ELIMINATES BATTERY DRAIN:

KeyDefender will not drain a vehicle's battery when the ignition is shutoff

COMMUNICATION:

KeyDefender automatically connects within range of an authorized network





KeyDefender eKey

KeyDefender Mechanical Key

KEYDEFENDER WITH eKEY:

- The portable eKey retainer charges and uploads information
- 12-key keypad facilitates the release and activation of keys
- Use portable eKey retainer with PC and app for charging and communication when vehicle is not in use

KEYDEFENDER WITH MECHANICAL KEY:

- Secures a single mechanical key

KEYDEFENDER DUAL BOTH MECHANICAL AND eKEY:

- Secures both a mechanical key and an eKey

MECHANICAL SPECIFICATIONS

KeyDefender					Mounting Brackets		
Models	KD-1KE1	KD-1KM1	KD-1KD2	KD-1HE	KD-MB-R5	KD-MB-R7	KD-MB-R11
Description	KeyDefender w/ 1 eKey	KeyDefender w/ 1 Mechanical Key	KeyDefender Dual w/1 eKey and 1 Mechanical Key	KeyDefender Holster w/ power cord	KeyDefender Mounting Bracket 5"	KeyDefender Mounting Bracket 7"	KeyDefender Mounting Bracket 11"
Dimensions	4.3"W X 4.5"H X 3.0"D	3.5"W X 4.5"H X 3.0"D	5.5"W X 4.5"H X 3.0"D	1.8"W X 4.0"H X 1.8"D	5"	7"	11"
Weight	1.4 lb	1.4 lb	1.8 lb	0.3 lb	0.9 lb	1.1 lb	2.1 lb
Materials	Composite materials				Aluminum		

ELECTRONIC SPECIFICATIONS

Op Temp		-20-65° C		Wiring	
Storage Temp		-40-85° C		Comm	Wi-Fi
Humidity		95% RH @25° C 76 hours		Power	2 Wire 18 AWG
Memory		Up to 16,000 audit events		Programming	USB A Male to C Male
		Up to 5,000 PIN		Networking	
Power		2A @ 12VDC		Wifi	802.11 b/g/n (2.4 GHz)
Battery		Lithium 5 year replaceable		Encryption	
Regulatory		UL	437 (Lock core)	WEP, WPA/WPA2 PSK, WPA2 enterprise (802.1x), WPA3 personal, EAP-TLS, EAP TTLS-MSCHAPv2, EAP-TTLS-TLS, EAP-TTLS-PSK, EAP-PEAPv0-TLS, EAP-PEAPv0-MSCHAPv2	
		FCC	Parts 15 A		

ACCESSORIES

Model	Description
91178	Holster power cable KeyDefender
91179	Main power cable KeyDefender
92235	Security Fasteners pack of 4 KeyDefender

ABOUT THE KNOX COMPANY

Since 1975, the Knox Company has successfully developed innovative rapid access solutions for first responders with products that provide fast, safe, and secure entry into commercial, industrial, and residential properties, while minimizing damage and maximizing safety. Today, more than 15,000 fire, EMS, and law enforcement departments/agencies depend on Knox products to gain access into over one million buildings/properties.