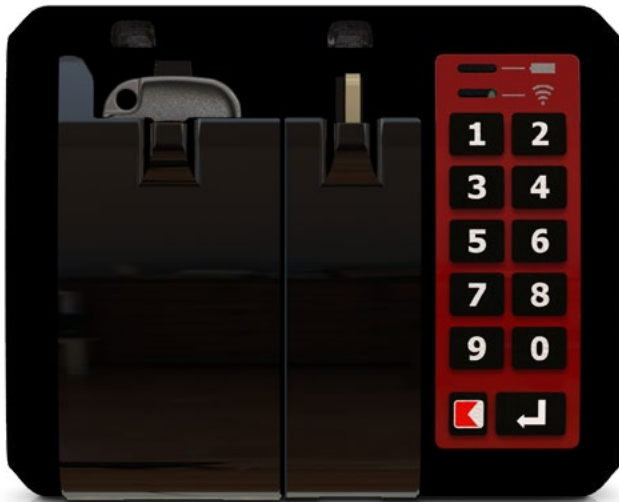


**PROGRAMMING AND CHARGING SYSTEM FOR PASSENGER VEHICLES**

The Knox 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

**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 (FOR BOTH A MECHANICAL AND AN eKEY):

- Secures both a mechanical key and an eKey

### MECHANICAL SPECIFICATIONS

KeyDefender				Mounting Brackets			
<b>Models</b>	KD-1KE1	KD-1KM1	KD-1KD2	KD-MB-R5	KD-MB-R7	KD-MB-R11	KD-FM
<b>Description</b>	KeyDefender w/ 1 eKey	KeyDefender w/ 1 Mechanical Key	KeyDefender Dual w/1 eKey and 1 Mechanical Key	KeyDefender Mounting Bracket 5"	KeyDefender Mounting Bracket 7"	KeyDefender Mounting Bracket 11"	Flat Mount Bracket
<b>Dimensions</b>	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	5"	7"	11"	6.75" X 2"
<b>Weight</b>	1.4 lb	1.4 lb	1.8 lb	0.9 lb	1.1 lb	2.1 lb	1.2 lb
<b>Materials</b>	Composite materials			Aluminum			Steel

### ELECTRONIC SPECIFICATIONS

<b>Op Temp</b>	-20-65° C		<b>Wiring</b>				
<b>Storage Temp</b>	-40-85° C		Comm		Wi-Fi		
<b>Humidity</b>	95% RH @25° C 76 hours		Power		2 Wire 18 AWG		
<b>Memory</b>	Up to 16,000 audit events		Programming		USB A Male to C Male		
	Up to 5,000 PIN		<b>Networking</b>				
<b>Power</b>	2A @ 12VDC		Wi-Fi		802.11 b/g/n (2.4 GHz)		
<b>Battery</b>	Lithium 5-year replaceable		Encryption		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		
<b>Regulatory</b>	UL	437 (Lock core)					
	FCC	Parts 15 A					

### ACCESSORIES

Model	Accessories/Spare Parts
91178	Holster power cable KeyDefender
91179	Main power cable KeyDefender
92235	Security Fasteners pack of 4 KeyDefender
KD-1HE	KeyDefender Holster w/power cord

## 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.