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(57) Abstract :

A device 200 for a keyless entry system 100 in a vehicle can include a housing 202 comprising a microcontroller 102 configured with a radio frequency generation module 104 and programming interface 106; and a LED indicator 204 and when a user activate device 200, the radio frequency generation module 104 generates varying radio frequency according to a predefined algorithm sequence to lock and unlock the vehicle doors by activating the keyless entry system 100 configured with the vehicle. The device 200 comprises a plurality of press buttons 206 to perform keyless operations employing radio frequency identification technology for communication with the keyless vehicle entry system 100 in a wireless network 120, and the LED indicator 204 to provide visual cues to indicate operational status with the vehicle. The device 200 comprises an algorithmic sequence to determine varying dynamic radio frequency sequence, thereby adding an extra layer of unpredictable frequency to prevent frequency breach by an intruding device.

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