

Circuit Descriptions:

W3-H is a contactless zinc alloy standalone access control, it can identify the valid HID card and password automatically to control the door.

The MCU generate a 125KHz square-wave, this square-wave generate a sine wave by the drive circuit & antenna oscillation, thereby generate an electromagnetic field on W3-H surface. When the HID card enters this electromagnetic field, it will absorb the energy and transfer it to electric energy, then start the circuit on the card and transmit the card number to W3-H. W3-H compare the saved users' data by operating, frequency-selecting and comparing to identify validity or invalidity, then it controls the status of the relay to realize the door control.

W3-H support Wiegand 26~37 input & output; It comprise anti-tamper and alarm circuit, door status detection circuit, external lock circuit and external alarm circuit