

Circuit Descriptions:

BC-2010H&EM, which can memory cards and identify their availability, is a single door controller with two readable cards, HID and EM.

After frequency division of IC CD4060 & generating sine wave by 125 KHz square-wave throughout the drive circuit & oscillation of antenna, the product will provide EM card-reader circuit and HID card-reader circuit. The clock signal of the 4MHz is base clock frequency. HID card-reader circuit will send signals to HID drive circuit & HID comparison circuit, and then to HID micro controller for decoding. HID micro controller will send out Wiegand 26 signals to the main micro controller MCU, EM card-reader circuit will send the received signals to micro controller MCU for comparison & decoding, after being compared with the memorized information of users, the door will open through the circuit controlled by electric lock if the users are available.

The product has the following functions:

1. being outputted/inputted by Wiegand26;
2. equipped with anti-vandal and alarm circuit, work status detection circuit of door, circumscribed electric lock circuit and circumscribed alarm circuit.