

Abstracts

Compact Microwave Remote with Newly Developed Recognition System SSB Modulation

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A Compact Microwave Remote Recognition System (2.45GHz) with newly developed SSB modulation has been built. The system is composed of an interrogator and a responder. The interrogator is able to read and write the data which are stored in the responder by remote control. The SSB modulation makes microwave circuits simpler. By using of a microwave PLO, radio interferences to neighboring systems are eliminated. This system is widely applicable to factory automation, personnel management, security management, etc. Key technologies to construct this system are described in this paper.

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