

Product Description

Keyless Entry System Using Radio Frequency Transmit and Receiver Electronics

MET has developed a keyless entry system using a radio frequency transmitter and receiver. The transmitter will transmit a 418 MHz OOK (On-Off keying) signal to the receiver. The signal transmitted is digital encrypted using a Keeloq™ rolling code algorithm at a 400 microsecond per bit baud rate, 61 bits per code. The receiver will receive the 418 MHz signal and decode the digital signal using the same Keeloq algorithm. The 3 possible signals that will be decoded by the receiver are unlock, lock, and enable/disable alarm. The microcomputer electronics at the receiver will proceed to perform the requested access control functions. The expected distance from the transmitter to the receiver is a 30-foot range.