

ABSTRACT

A transmission controller 7B is configured to transmit an R/W request signal for requesting transmission of a tag response signal to a RFID tag 1 twice. At this time, a frequency controller 7A controls a PLL section 5A to transmit the R/W request signal via different carrier frequencies. A phase information acquirer 8A detects a phase change amount of the tag response signal that is transmitted via different carrier frequencies. A distance calculator 8B calculates the distance between the reader/writer 2 and the RFID tag 1 on the basis of the phase change amount.



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