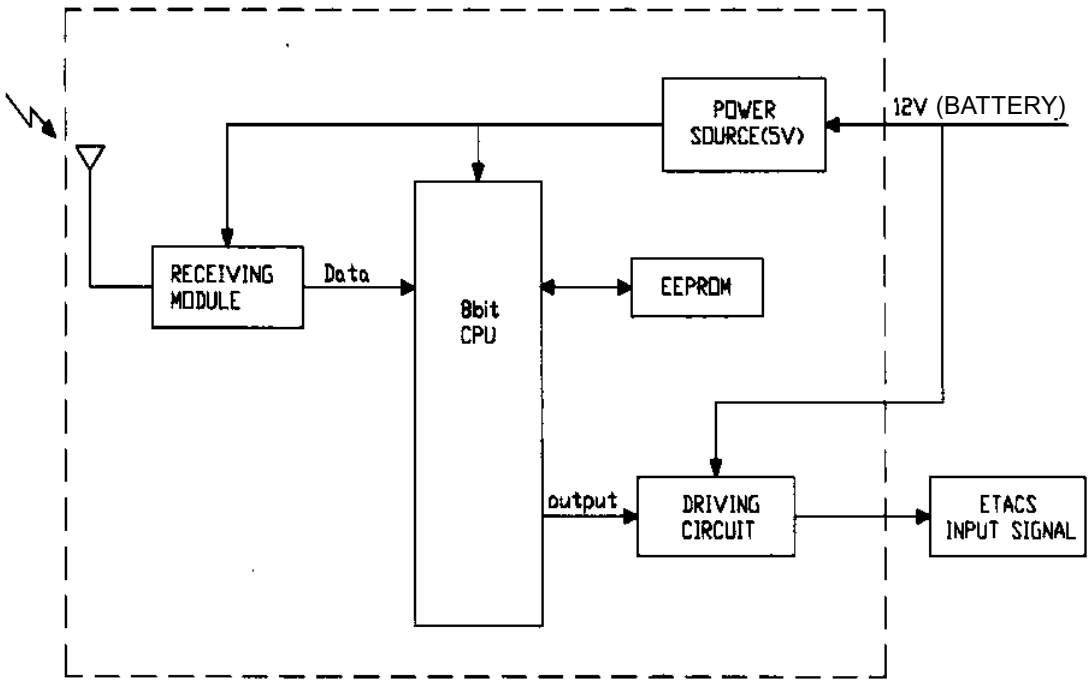
(AC300-R)Operational Description

The radio frequency keyless entry is a system that it controllers timer by wireless remote controller. This system consists of transmitter and receiver.

The receiver (EUT) is fixed inside the timer and powered 12V. It works intermittently to prevent the power exhaustion and check the timer status. It is designed to operate on a single fixed frequency RF 433.92 MHz by frequency modulation. It runs continuously to receive the signals completely, when the receiving module in receiver detects several synchronous codes, unique identification code, on/off code and function code transmitted from transmitter. After receiving the signal, the 8bit CPU in receiver decides which operation will be performed. And then driving circuit in receiver performs selected operations by pressing the button of the remote transmitter.

All tuning and verification are performed by the manufacturer and there are no adjustments which can be made by the user. External ground is the chassis of timer and receiving antenna is fixed on enclosure of the receiver.