

Circuit description of SIMON main unit

The ASK MOD RF signal from the remote unit is applied to the RF buffer amp (Q1), and the signal is amplified and applied to the stage of Super-regenerator (Q2,L1,L2,TC1,C5,C7,C8) and demodulated the RF signal to AF signal. The AF signal is wave-shaped to the digital data through the stage of the data slicer amp (U3), and applied to the MPU. The data is decoded and stored to the memory (U2). The status of input code transfer to Siren, Door pin lock/unlock, Light flashing through the output port (U6,RL1). The status of the input conditions of Shock sensor, Door pin Switch, Key is transfer to the MPU and the processing result is performed to Alarm, Start Kill, Door Lock/unlock etc. All function is stopped by the Valet switch.