

Mobile to Mobile Device Controller

Seeking parties interested in licensing and commercializing of technology.

Applications:

- This invention relates to remote controllability of lights, fans or pumps at home when people are far away from their home.
- Farmers can use this mechanism for controlling the pumps for irrigation of fields from their home.

Technology Description:

This invention relates to a mobile-to-mobile device controller. It comprises of a microcontroller circuit, relays, a bridge rectifier, a DTMF(Dual-tone-multi-frequency) unit comprising a decoder and a decoupler. 230v power supplied to a step-down transformer is converted to 12 v and is given to the bridge rectifier which converts the AC voltage to DC. The DC voltage obtained is now given to the voltage regulator which gives a constant 5-volt DC supply which is given to the DTFM decoder. The mobile phone, which is connected to the circuit, upon receiving a call, automatically answers and the DTMF frequency obtained when keys are pressed in the dialer mobile phone is transferred to the DTMF decoupler present in the DTMF chip. Then, the binary signal obtained from the DTMF is given to the micro-controller chip which is already programmed. The output lines will get the power supply when the respective keys are pressed, and the power supply is also bypassed to the relays which connect the circuit.

Advantages of the Technology:

- A convenient mode of controlling electrical appliances.
- The technology saves farmer's time much.
- Since it uses only two mobile phones as primary elements, it is quite economical.

Development Status:

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Technology Transfer from the institute:

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