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Abstract
This paper present a standalone webserver to bridge the Internet IP based network and powerline based LonWorks network for remote home appliance control and monitoring system. Users have the conveniences for remote access theirs home appliances through standard Web browsers without any extra plug-in software. The advantages of using powerline as the medium of data transmission and control at homes is obviously, among many standards the "open" LonWorks technology has solid system architecture suitable for house control and automation systems. With the extension of this Webserver the LonWorks control networks can easily be integrated with the Internet.
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