

Smart home control system structure

Abstract. This work proposes an optimal structure of a control system suitable for smart homes. There are many complex and general systems for automation, but the same system used for factory automation is not suitable for application in an apartment. Technical, economical and especially user points of view are taken into account to design an innovative three-layer control system. It meets requirements of various kinds of users better than currently used two-layer systems. An unskilled user can therefore perform basic modifications without risking damaging bottom-layer functions. Solutions optimized for home automation could finally cover gap at the market and, thus, intelligent installations could become frequent at homes.