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TERENGGANU

AN ARDUINO BASED AUTOMATIC SHOWER SENSOR DESIGN

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ABSTRACT

In this globalization era, everyone wants to make their work become easier so, the many engineers try to design effective technology that can handle the case of student life. The purpose of this project is to design An Automatic Shower Sensor using Controller that operates using the PIR sensor, a microcontroller and solenoid valve .An automatic shower control for the flow to a shower head by a detection device and its control and evaluation circuitry which detects the presence of a user and includes switching device for activation and deactivation of the control. An intensity selective evaluation of the detector signal indicates whether the signal derives from an object in a close proximity range or a normal proximity range to the detector and the system is switched on by the presence of an object in the close proximity range. During operation in the normal proximity range, which can terminate when the user leaves this range, water shut off can also be effectedby movement of an object into the close proximity range.