

# Getting 0–9 digits by using potentiometer

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hi,

i would like to use analog port of 16f877 to get digits chosen by a user using potentiometer. First of all i wonder whether such a one–turn potentiometers are used for that purpose. Generally i have seen dip switches or BCD switches, however one should use so many pins of pic for getting a single digit. To make the matter more clear, the user will choose a number by turning the one–turn potentiometer; lets say it is "6" and 2.2 V [10111011] obtained by the analog port of the pic. If that binary that is in the range of "6" a variable in the pic will be set to 6 [00000110].

It seems pretty easy at first look, but i do not know the reliability of the system. Does anyone help me in understanding possible failure of that application ? and have they ever seen a smd one–turn potentiometer with 10–step resistor [ i mean when you turn it becomes 0 – 1k ohm – 2 ohm – 3 ohm –....10k ohm]

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