Title (en)

ANALOGUE INPUT FOR AN ELECTRONIC CIRCUIT

Title (de)

ANALOGER EINGANG FÜR EINE ELEKTRONISCHE SCHALTUNG

Title (fr)

ENTREE ANALOGIQUE POUR CIRCUIT ELECTRONIQUE

Publication

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Application

EP 02797679 A 20020830

Priority

- FR 0202981 W 20020830
- FR 0111487 A 20010905

Abstract (en)

[origin: WO03021789A1] The invention relates to an analogue input (40) for an electronic circuit which is intended to be connected to an electric output of a sensor (44) that is used to measure a physical parameter. The aforementioned sensor is supplied with a supply voltage Vcc and provides an analogue voltage Vs at the electrical output thereof, said analogue voltage being a function of the parameter to be measured. The analogue input comprises at least one analogue/digital converter (46, 48) of resolution RN. The invention is characterised in that it comprises a computer (64) which controls the analogue/digital converter in order to perform: (i) an analogue/digital conversion of supply voltage Vcc, the analogue/digital converter supplying the computer with a numerical value, Ralim, for supply voltage Vcc of the sensor; and (ii) an analogue/digital conversion of analogue voltage Vs of the parameter to be measured, the analogue/digital converter supplying the computer with a numerical value, r, for analogue voltage Vs to be measured and the computer supplying a numerical value, Vn, for the parameter to be measured, such as Vn = (r/Ralim). RN. The invention is suitable for use as an analogue input for automatisms.

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H03M 1/06

IPC 8 full level

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Citation (search report)

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