System of acquisition of data for parallel port in monitoring and control of temperature in closed atmospheres

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ABSTRACT

People living in urban areas spend between 80 and 90% of their time doing sedentary activities indoors, both at work and during leisure time.

This has led to the creation of more comfortable and homogeneous indoor than outdoor subject to variable weather conditions.

It has therefore been necessary to put the air from these spaces, heating in winter and cool in summer. For the conditioning system to be effective and profitable, you had to control the air entering buildings from outside, whose thermal characteristics are contrary to those desired. This resulted in increasingly airtight buildings and tighter control on the amount of outside air used to renovate the interior atmospheres more flawed.

Other scenarios are critical for example those of a greenhouse in which temperature is critical because for this depends the life of the species, the case that a species such as orchid, and this is the kind of crop, this depends directly on the room temperature for its development and growth, so it becomes necessary to control the greenhouse temperature, and automatically, for cost savings in staff numbers and effectiveness of correction in drastic temperature changes.

Key words: integrated circuit, TTL, transducer, BJT, thyristor, PCB, EPP, ADC.