The contactless magnetically controlled switches contained on a semiconductor crystal

a constant voltage regulator, a regulated current source for the Hall generator, a

differential amplifier, a Schmitt trigger. with two driver stages and output transistors

open collector. The use is advantageous when high reliability, freedom from damage,

Insensitivity to dirt and corrosion and a very long service life

are missed.

The Hall generator is fed from a constant current source that has a regulated voltage

used as a reference. OEM Hall generator is followed by a differential amplifier. In the next stage

the differential signal is converted into a ground-related signal.

At this point, by subtracting or adding a current, the zero component

(offset) can be changed in a simple and non-disruptive manner.

The inverting amplifier input is brought out so that external wiring

the steepness of the output characteristic (gain) can be varied within wide limits.