

Press Release

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Everything under Control with Diacs from Diotec

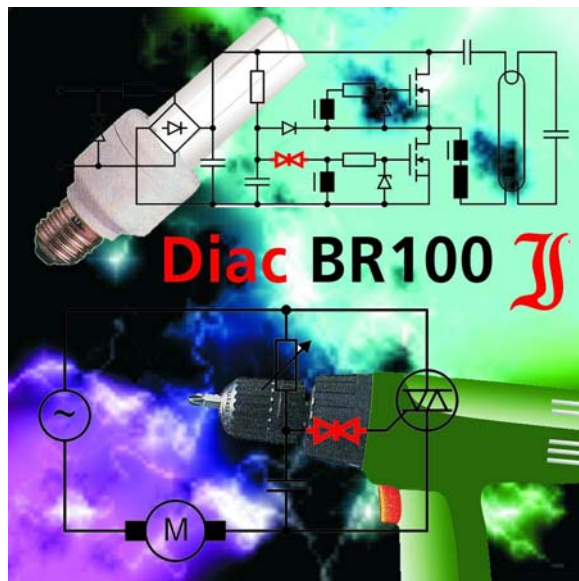
BR100 Series in Axial- and SMD-package

What do Compact Fluorescent Lights have in common with speed controllable drilling machines?

Correct, both are using Diacs as an important controlling element.

The Compact Fluorescent Light needs a Diac for starting the oscillation of the transistor half bridge for controlling the tube circuit.

Controlling the speed of AC motors (e. g. in electric power tools) is done by phase controlled switching of triacs or thyristors which are triggered by Diacs.



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*High resolution picture at
www.diotec.com, „Service“*

Diotec GmbH/Germany has recently taken Diacs into their product portfolio, for above and of course other applications, called BR100 series. They are available with breakover voltages of nominal 32 and 40 V (BR100-03 resp. BR100-04) and offer a periodically peak current of up to 2 A. The 32 V type comes also in a special version with tighter breakover voltage tolerance (BR100-031), for enhanced requirements. Available case outlines are leaded DO-41 as well as surface mountable SOD-80/MiniMELF (Suffix LLD=Lead Less Device).

Diotec Semiconductor GmbH located in Heitersheim/Germany produces and sells semiconductors like diodes, rectifiers, diacs and transistors with more than 25 years experience. **Further informations** are available from Udo Steinebrunner, Tel.: +49-7634-5266-83, Fax: +49-7634-5266-61, Email: u.steinebrunner@diotec.com or on our website <http://www.diotec.com/>.