



**For Immediate Release**

***New 8mm side-adjust rotary encoder for audio/visual equipment...***

## **TT electronics BI Technologies Develops Compact Single- and Dual-Digital Encoders**

**Fullerton, CA, March 30, 2011:** Providing design engineers with compact means of converting rotary motion to a series of digital pulses, TT electronics BI Technologies has developed a line of single- and dual-digital rotary encoders. Designated the EN08 Series, the RoHS-compliant rotary encoders feature a compact 8mm design with options of a SPST momentary switch and dual encoders with concentric shafts. Suitable for a wide range of applications including digital audio/video equipment, navigation systems, appliances and machine tools, the encoders have a mechanical-type contact and are sealed to IP50 specifications.

“The EN08 Series digital encoders feature a 2-bit Gray code,” said Richard Hsieh, marketing director for TT electronics BI Technologies. “These rotary encoders are ideal for a variety of digital applications in audio, visual and appliance applications, and their versatility and options make them one of the most easily integrated encoder series on the market today.”

The EN08 Series consists of three model styles:

- EN08-N: side adjust, single encoder, SPST momentary switch.
- EN08-S: side adjust, single encoder without momentary switch option
- EN08-C: side adjust, dual encoders with concentric shaft.

The compact 8mm encoders have 20 detents per revolution with rotational torque of detent rated at a maximum of 1.0oz-in. The operating life is 50,000 cycles, and the optional SPST momentary switch life is rated at 15,000 actuations.

The encoders feature a maximum operating speed of 30RPMs at 10 pulses per revolution. The closed circuit resistance rated at a maximum of 3.0 Ohms with a 1.0mA/5Vdc contact rating. The SPST switch has a maximum operating force of 850 gf and travels up to 0.5mm. Operating temperatures range from -30°C to +70°C.



For additional information, please access the Web site at [www.bitechnologies.com](http://www.bitechnologies.com) or email the TT electronics North America Sales Office at [sales@ttelectronics-na.com](mailto:sales@ttelectronics-na.com).

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**About BI Technologies**

BI Technologies, a division of TT electronics, has been an innovator and leader in electronic components for more than 50 years. The company is a global manufacturer of trimming and precision potentiometers, position sensors, turns-counting dials, chip resistor arrays, resistor networks, integrated passive networks, transformers, inductors, hybrid microelectronics and custom integration products for communication, computer, automotive and industrial applications.

**About TT electronics PLC**

TT electronics plc is a focused, global electronics group supplying leading manufacturers in the defense, aerospace, medical, transportation and industrial markets. The Group consists of five divisions: Components, Sensors, Secure Power, Integrated Manufacturing Services and General Industrial each delivering technology, products and services to customers in target markets worldwide. TT electronics plc operates from headquarters based in Weybridge, Surrey, with more than 20 global manufacturing locations and more than 6,000 employees worldwide.

Additional information is available from our corporate website: <http://www.ttelectronics.com/>.

**Marketing contact:**

Charlotte Waters, Marcom Manager, TT electronics plc  
4222 S. Staples St., Corpus Christi, TX, 78411  
Tel: +1-361-985-3166  
[charlotte.waters@ttelectronics-na.com](mailto:charlotte.waters@ttelectronics-na.com)