

# **EZ-TILT-2000/5000**

## **Relay upgrade**

EZ-TILT-2000/5000 rev-2 advanced programmable dual/single axis LINEAR Analog/Digital output tilt module is built around a customized state of the art CMOS Microprocessor. A 2"x 2" assembled PCB provides concurrent Analog, PWM and RS-232 inclination information in two axis of tilt. The module may be temperature compensated for NULL and GAIN. The module is equipped with full range linearity correction routine for each axis of tilt and two software adjustable threshold detectors.

The module uses the DX type (DX-045D/+/-70deg or DX-008D+/-8deg) dual axis sensors for dual axis mode, or one/two SX type single axis LINEAR inclination sensors for single/dual axis modes and provides an economical and reliable tilt sensing solution for applications requiring superior Nulling capabilities with concurrent excellent Mid-Wide range LINEARITY, resolution, repeatability and symmetry. Rugged construction makes these sensors perfectly suitable for numerous high precisions OEM, military, medical, optical, automotive, range finder, alignment, automation, robotics and construction angle measurement applications.

The EZ-TILT-2000/5000 rev-2 also includes two programmable level threshold detector lines that allow the user to set level sensitive alarms for pitch and roll. Innovative design, four mounting holes and small size facilitate uncomplicated mounting. For hazardous applications, tilt sensors could be remotely located.

**The module is available with a relay upgrade, which mounts directly on the top of the main board. This option includes DPDT relay, which can be ordered in practically any contact current rating. The complete module can be mounted in a rugged NEMA metal enclosure and sealed/potted for such high vibration applications like construction, road grading, mining, rock drilling and many others.**

**The basic module requires 9-15Vdc/40mA supply voltage/current to run the complete system.**

Pin 1: TX  
Pin 2: RX  
Pin 3: 12Vdc  
Pin 4: GND

Red wire: Power 24Vdc  
Black wire: GND

Relay outputs are next to the WHITE relay.