

## **Encoder Tachometer Module**

**Gordon Anderson**

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The Tach Module will allow you to measure your engines RPM using your MicroStar transmitter and this Tach Module. The Tach Module plugs into the accessory DIN plug on the left side of the transmitter. The MicroStar will detect the presence of this module and the second line of the display will change to engine RPM. The MicroStar can be configured for props with any number of blades, refer to the programming manual for details.

The Tach Module contains only the optical sensor used to detect the prop blades. This detected signal is converted to a pulse train that is sent to the MicroStar transmitter. This module is housed in a small aluminum chassis with the photocell exposed and shrouded by a small piece of KS brass tubing. The Tach drawing package contains a picture of a finished Tach Module for reference.

Assemble the Tach circuit board using the techniques described in the Encoder assemble instructions. Remember the square pad on the polarized capacitors is for the positive lead.

To use this Tach Module, plug it into the accessory DIN plug on the MicroStar and hold it close to the prop. The second line of the display will indicate the engine RPM. Never try to fly with the Tach module plugged into the MicroStar transmitter!