

**Features**

- Low cost
- Standard Waveguide output
- Rugged, Reliable Construction
- Low Power Consumption
- High Sensitivity

**Description**

The MDU (Motion Detector Unit) is an X-Band microwave transceiver that utilizes the Doppler shift phenomenon to "sense" motion.

The unit, contained in a rugged diecast housing, features a dielectric resonator stabilized FET oscillator, which provides stable operation over a broad temperature range in either CW or low duty cycle pulse mode. The unit is available as a "transmit only" unit, with a single mixer or with a pair of orthogonal mixers for direction sensing applications.

**Applications**

- Traffic Control
- Automatic Door Openers
- Speed Measurement
- Direction of motion detection
- Energy Management Systems
- Sports Radar Guns

This document only gives a general description of the product and shall not form part of any contract. Microwave Solutions pursue a policy of continuous product improvement and reserve the right from time to time to amend the specifications of products.

