

RMR-8RD Operating Description

The RMR-8RD radar detector is a dual conversion scanning super-heterodyne receiver with separate alarms for each of the radar bands, dim function, mute, city/highway select. It detects front and rear laser and radar. It contains selectable tone and a digital display of all functions. The RMR-8RD has selectable VG-2, allowing the driver to select whether he wishes to scan for the presence of detector-detectors or not. The RMR-8RD is completely VG-2/VG-3 undetectable. It is completely VG-2 undetectable. The RMR-8RD is built with high reliability surface mount construction and VCO technology for improved performance over a wide operating temperature. The RMR-8RD detects all radar and laser bands used by law enforcement:

10,475 – to – 10,575 MHz,

24,050 – to – 24,250 MHz,

and 33,400 – to – 36,000 MHz, as well as 904 nanometer infrared signals.

The RMR-8RD is compact, designed exclusively for automotive use and is powered by the 12-Volt electrical system in a car or truck.

RMR-8RD SPECIFICATIONS

Radar

Receiver type : Dual conversion super-heterodyne

Antenna type : Linear polarized, self-contained

Detector type : Scanning frequency discriminator

Frequency operation : X-band; 10.525 GHz \pm 50 MHz

K-band; 24.150 GHz \pm 100 MHz

Ka-band (super-wide); 34.700 GHz \pm 1,300 MHz

Laser

Receiver type : Pulsed laser signal receiver

Detector type : Digital signal processor pulse width discriminator

Optical sensor : Dual convex condenser lens and high speed photo diode detector,
800~1,100nanometers (nm)

General

Operating Temperature Range : -20° C to +70° C

Storage Temperature Range : -30° C to +100° C

Power requirements : 12V to 15V DC, 80mA, negative ground