

Radio communication specialists

Maxon SD170E Data Radio

- 16 Channels
- Die-cast aluminium housing
- Operates from 9V to 15V
- Fully PC programmable (Windows XP)
- 15-Pin D-type interface
- 1 - 5 Watts (programmable)
- Optional modem boards
- GPS Compatible



With the Maxon guarantee of quality, performance and reliability.

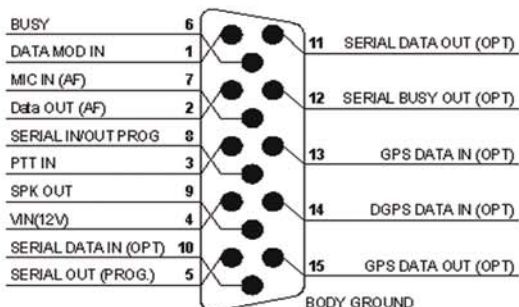
The new Maxon SD-170E Series RF Data Link Telemetry Radio delivers reliable 2-way communication & remote control for a variety of application needs.

Available as VHF (SD-171E) or UHF (SD-174E) with 1 or 5 Watts programmable output and 16 channels. The SD-170E Series provides reliable data or voice communication at all times.

Crystal clear audio quality makes the SD-170E Series an ideal radio for golf course and emergency call boxes. When paired with the optional GMSK or FFSK modem board, the SD-170E Series transmits and receives data for wireless security systems, or it can be used in conjunction with police mobile data terminals for license tag checks.

The optional GPS receiver turns the RF data radio into an Automatic Vehicle Location system for tracking fleet movement and communicating data directly to a computer.

DB - 15 Connector



Technical Specifications

GENERAL

Channels.....	16 (Serial commaned or dip switch)
Channel Spacing.....	12.5KHz & 25KHz (programmable)
Frequency Range.....	V2 146-174MHz / U2 450-490MHz
Frequency Control.....	PLL
Operating Temperature Range.....	-30°C to +60°C
DC Input voltage.....	9V to 18V DC (extreme)
Size.....	118(W) X 63(H) X 35(D) mm
Weight.....	266.5g
DC Input voltage.....	13.2 V DC ±15°
Performance Specification.....	TIA/EIA-603 / ETS 300-113

RECEIVER

Receiver Response Time.....	< 16ms
Squelch Decay Time.....	5ms Min , 20ms Max
Sensitivity (12dB Sinad).....	0.3 µV for 12.5KHz C.S.
Antenna Socket (input match).....	>10dB Return Loss
Image Rejection.....	70 dB
Spurious Rejection.....	70 dB
Signal/ Noise Ratio.....	45 dB
Squelch (factory preset) Open.....	-113dBm
Close.....	-116dBm
RX Hum & Noise (only audio).....	<40dB without PSOPH

TRANSMITTER

Output Power.....	1 - 5 Watts (programmable)
Modulation.....	F3D , F3E
Frequency response.....	300Hz to 2.55KHz for 12.5KHz C.S.
Modulation Symetry.....	<10% Peak Dev @ 1KHz input (nominal)
Modulation Sensitivity.....	100mV RMS @ 60% Peak Dev
Spurious Emissions.....	< -36dBm
TX Hum & Noise.....	12.5KHz >40dB with PSOPH
	25KHz >40dB without PSOPH

Figures above are typical and measured under normal conditions. As such they will not form part of any contract. Our policy is one of continuous improvement and we reserve the right to change product specifications without prior notice.