

Performance Specifications



The ET-5 Tactical Repeater offers the following performance specifications.

ET-5 Specifications	Value
Frequency Bands Supported	VHF,UHF, 800 MHz
Encryption Passed	All P25 types (e.g. AES or DES-OFB)
Size	14" x 11" x 6.5" 36 x 29 x 16 cm
Weight (fully equipped with batteries)	20 lbs – 9 Kgs
Operating Temperature	-30°C to +60°C
Duplexer Separation	4.5 MHz (VHF, UHF) 45 MHz (800 MHz)
RF Output Power	0.5 – 6 Watts (VHF, UHF) 0.5 – 3 Watts (800 MHz)
D cell Battery Life (20% duty cycle)	19 Hours
Types of Batteries supported	D-Cell alkaline batteries Commercial Off The Shelf
List Price	\$9,500

The ET-5 Tactical Repeater is available with the following options:

- Solar Panels
- Rechargeable External Battery Pack for extended operation
- Antenna

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Daniels Electronics Ltd.
43 Erie St. Victoria, BC
Canada, V8V 1P8

Tel: 1-800-664-4066
Fax: 1-877-750-0004

www.danelec.com

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1-250-382-8268
1-250-382-6139

sales@danelec.com

ET-5 Tactical Repeater



In the world of undercover policing the need for compact, stealthy, and reliable communications has always been critically important. With the migration to P25 digital encrypted communications the police now have an advantage against the bad guys.

Daniels Electronics is pleased to introduce the world's smallest transparent P25 repeater supporting end to end digital encryption integrity.



“The World’s smallest transparent P25 encrypted repeater that runs on D-Cell batteries”.

For agencies that require compact P25 repeaters supporting transparent encryption in VHF, UHF or 800 MHz bands the ET-5 provides the smallest footprint of any transportable P25 repeater. It operates with standard alkaline D-Cell batteries that are available at any retail store as well as rechargeable lead acid batteries. The Daniels Electronics ET-5 Tactical Repeater is specifically designed to meet the needs of body wire repeating for undercover operations and other surveillance operations where radio communications providing stealth, compact size for unobtrusiveness and rapid deployment are vital.

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ET-5 Tactical Repeater



ET-4 Briefcase Repeater
Shown to Scale

ET-5 Tactical Repeater

The Daniels ET-5 Tactical Repeater is a smaller version of the Daniels ET-4 Briefcase Repeater. Both units are shown above true to scale for comparison.

The ET-5 provides a lightweight 20 lb (9 Kgs) compact package 14" x 11" x 6 (36 x 29 x 16 cm) ideally suited for undercover and surveillance applications where repeating of encrypted P25 communications is vital to the operation.

Available for any Public Safety frequency band and deployable in minutes the ET-5 Tactical Repeater can provide up to 19 hours of operation with Commercial Off The Shelf D-Cell alkaline batteries.



Inside View

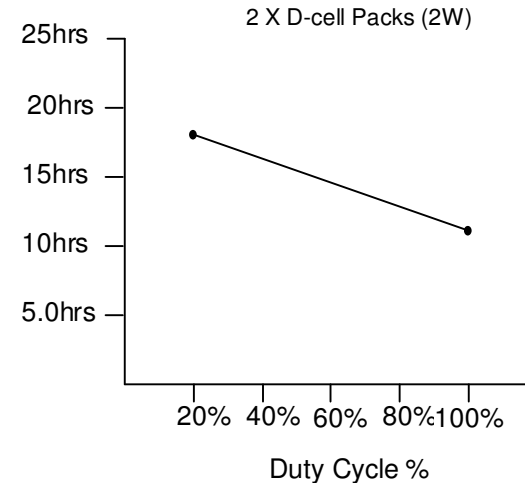
The Daniels ET-5 Tactical Repeater is housed in a weatherproof, rugged polyethylene case that will withstand the rigors of transport and rapid deployment in all conditions.

Internally the repeater consists of standard Daniels MT-4E transparent P25 Transmitter and Receiver modules offering up to 6 Watts of RF output power – VHF, UHF (3 Watts for 800 MHz operation).

Key Features of the ET-5 Tactical Repeater Include:

- Adheres to the P25 standards TSB-102 and EIA-603
- Available in VHF, UHF or 800 MHz frequencies
- Transparent passing of P25 encryption (e.g. AES or DES-OFB)
- No double vocoding of the P25 signal
- True end to end digital integrity
- Runs on Commercial Off The Shelf D-cell alkaline batteries or other rechargeable batteries
- Supports up to 19 Hours operation with alkaline D-Cells
- Available with 0.5 – 6 Watts of RF output power – VHF, UHF
- 0.5 – 3 Watts RF output power – 800 MHz
- Weighs only 20 lbs (9 kgs)
- Compact case 14" x 11" x 6" (36 x 29 x 16.5 cm)
- Available with integral 4.5 MHz duplexer – VHF, UHF (45 MHz – 800 MHz)

The graph below shows the operational battery life (@25°C) of the ET-5 Tactical Repeater at 2 Watts of RF output power using Commercial Off The Shelf D-Cell alkaline batteries.



To learn more about the ET-5 Tactical Repeater or other transportable repeater options available from Daniels Electronics please contact us at sales@danelec.com or visit our website www.danelec.com



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