



FALCON

Portable, Software Configurable, Jamming System

SPECIALIST DESIGN THROUGH INNOVATION AND TECHNOLOGY



Radio Controlled Improvised Explosive Devices (RCIED) account for the largest proportion of military and civilian casualties in today's modern asymmetric warfare environments.

FALCON is a twin channel, 50 Watts per channel, wide band field proven Jammer designed for rapid vehicle deployment. The system can provide an effective response to RCIED threats and can be utilised in the following roles:

- Force Protection (Vehicle convoy)
- EOD render-safe procedures
- Event, base or venue protection
- VIP Protection

FALCON utilises sophisticated Direct Digital Synthesis (DDS) technology to provide a highly power efficient and effective jamming source. The pre-programmed data fill is developed in conjunction with a bespoke threat analysis that will aim to address the RCIED threat evolution within the chosen theatre of operation.

FALCON has two independent 10W GSM Inhibitor channels to cover low and high band GSM bands.

FALCON is available with a unique Vehicle Antenna System designed to cover the VHF/UHF and GSM frequency ranges and to optimise antenna pattern coverage around vehicles.



The ECS Antenna System mounted on a vehicle

Enterprise Control Systems Ltd

31 The High Street, Wappenham, Northants NN12 8SN, UK
Phone +44 (1) 327 860050
Fax +44 (1) 327 860058

DESIGNERS AND MANUFACTURERS OF RF & MICROWAVE COMMUNICATION SYSTEMS

Enterprise Control Systems Ltd has a policy of continuous development and therefore stress that the data contained on this sheet should be used for guidance only

DS-13124-B-00-0



FALCON

Portable, Software Configurable, Jamming System

SPECIALIST DESIGN THROUGH INNOVATION AND TECHNOLOGY

OUTLINE SPECIFICATION

Frequency Coverage:	VHF/UHF bands and special cell phone bands centred at 915 and 1800/1900 MHz. 3G and WLAN bands are options in place of the cell phone bands.
Power Supply:	12-30 VDC, power consumption 600 Watts nominal (all channels operational). This can either be from an additional 24 VDC alternator and separate batteries or (optional) mains power supply.
Temperature Range:	- 10 °C to +55 °C
Humidity:	5% to 95% Relative Humidity
RF Output Power:	150 Watts nominal EIRP
Dimensions:	180 (height) x 450 (depth) x 450 (width) mm. This does not include connectors, base plate and mounts.
Weight:	25 Kgs (excluding Antennas)

COMPONENTS

- Remote Control Panel and cable to enable installation in vehicle.
- DDS "fill" gun and software kit.
- Optional ECS Vehicle Antenna System includes:
 - 2 x VHF whip antennas
 - 2 x UHF antennas
 - 2 x cell phone antennas and diplexer.
 - DC input lead (2 metres).
 - GPS antenna.
 - Slide in tray, for vehicle mount (optional).
 - AC power supply (optional).

Installation and commissioning can be provided 'in country' / 'in theatre'.

Please Note: Purchase of equipment subject to Export Licence approval



Fill Gun with Docking Base