



**TracSure™ Alert – with Alert in Progress**

Feature	Description
Solution	GSM jamming signal detector: 850, 900, 1800, 1900 bands
Platform	Based on STAR-Let 200 GSM/GPRS module; uses CCww protocol stack, diagnostics and application code throughout
Frequency (GSM)	Quad-Band 850MHz/900MHz/1800MHz/1900MHz
Enclosure Size	Depends on version chosen
GPS	A-GPS for fastest fix, using SiRF STAR-III; not used in std app
G-Sensor	3D; option to 'deep sleep' and wake up on g-threshold; not used in std app
USB Port Interface	10 pin mini-USB for charger, debug and software download
SIM Interface	Micro SIM or chip SIM (option)
GSM Antenna	Strip PCB antenna, with u.fl connector
GPS Antenna	Surface mount 13*13mm standard GPS passive antenna
Keys	Reset; (device always 'on')
Charge management	On-board with STAR-Let module; configurable
LEDs	Indicator of weak-medium jamming signal
Speaker	Sounds klaxon-style alert on strong jamming signal detected
Application	Device always 'on' - Monitors GSM bands and provides soft (LED) alert for weak jamming signal detection, and klaxon when jamming signal strong - Gives vital 20-30s warning of impending attack
Optional Hardware	Options include: - can send GSM signal strength readings during journeys; allows company to create map of poor signal areas that might be possible attack zones - record position(s) of jamming signal and sends to server when normal GSM operation resumes - option for vehicle mount: external antenna, +12 power cable - please send your requirement to CCww

CCww offers a full mechanical, electronic and software design service, samples and volume production. For more information, please contact: Anthony Cutler; +44 7776 182 046; [cutler@ccww.co.uk](mailto:cutler@ccww.co.uk)

Specification above is preliminary and refers to evaluation units, and is subject to change.