JDR SOFTWARE

iTrap Police – *GSM Based Intruder/Fire/Panic Alarm*
IT-02

PRODUCT DATA SHEET

Description

iTrap Police is a wireless long-life battery power, intruder/fire/panic alarm system with embedded GSM, developed specifically for fast deployment in vulnerable locations such as void properties and temporary installations.

The system has been designed to operate using roaming 2G and 4G mobile networks, and is hardware-ready to utilise the new ESN[1] (Emergency Services Network) when it becomes available.

The system operates for a minimum of 12 months, using off-the shelf low cost alkaline batteries. Installation is completed in approximately 15 minutes, with the brains of the system being an anonymous looking box, which is simply placed in a roof space or a cupboard, well out of sight.

Features

- Deployed in 15 Minutes
- 12 Months operation from standard alkaline batteries
- Hidden control panel produces very secure system
- No mains charging ever required
- Rugged Indoor and Outdoor devices available
- Two way radio communication
- 2x16 LCD for easy setup and deployment
- Modular system
- Completely wire-free
- Full roaming 2G/4G/ESN and SMS Signalling
- Automatically detects and uses strongest network
- Supports 32 detection devices
- Optional human speech sounder
- All antenna integrated and cannot be damaged
- Maximum of 8 configurable SMS numbers
- All devices have battery monitoring
- Battery levels and Signal strength reported
- Configurable 1 to 24 test signals per day
- Receiving Software (already in use at UK forces)
- Certified for void properties and temporary alarms
- Temperature range -30 ^{O}C to 75^{O}C

History

iTrap Police incorporates 25 Years knowledge and experience of alarm systems development, and contains specialist functionality for use with police forces, such as the ability to connect into the 999 call handling centres, via alarm receiving software already in use at multiple forces throughout the UK. ***iTrap Police*** was developed to replace the outgoing Tetra Airwave system (also developed by us), many of which use old technology and are not easily updated.

Modular System

A typical installation can be as simple as a single control panel and a single PIR. The speaker, keypad, and other detection devices are all optional. A keypad will always be required during the set-up process, but the keypad does not have to be left on site. The speaker is also optional. This modular approach means that the less equipment which has to be installed, the less can potentially be damaged by an intruder. In all instances, the main control panel is designed to be placed in a hidden location.

Arming and Disarming

- LCD Keypad
- Proximity tag reader
- Keyswitch
- Handheld fob
- Automatic, via a configurable 16 zone schedule

Remote Access

The system is completely accessible remotely, either via dedicated software, or via SMS messages, sent to the panel.

[1] Based on Home Office information December 2019.

Whilst the panel is not active 24/7, it does wake up periodically, at which time it checks for new commands or configurations which are automatically buffered. This buffering is all handled automatically, and to the operator, they just select the functionality required, and click 'Send'.

Advanced Diagnostics

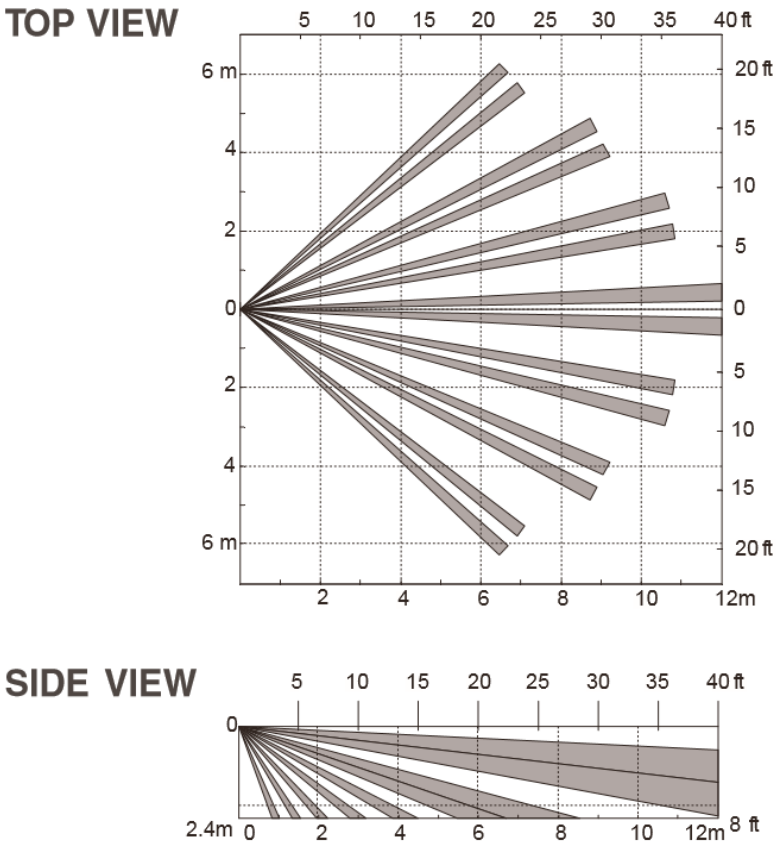
The system checks the battery voltages in every component and detection device, and this is reported with each communication. In addition to this, the GSM signal strength is constantly monitored, and fed back to the receiving software or to SMS. Low battery and critical battery are reported for every device, as well as the actual battery level.

Detection Devices

- Indoor PIR with 12 M detection range
- Outdoor PIR with 15M detection range
- Pendant Panic Switch
- Handheld 2 button fob for arming and disarming
- Handheld walk-test feedback
- Desk mounted covert panic switch
- General purpose transmitter
- Smoke and fire Sensors
- Carbon Monoxide Detector

- Range of Gas Senor (CFC, Propane, CO2 etc)
- Prox Tag for arming and disarming
- LCD Keypad for arming/disarming, set-up and testing
- Key-switch for arming and disarming
- Human speech speaker and siren

PIR Detection Range



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