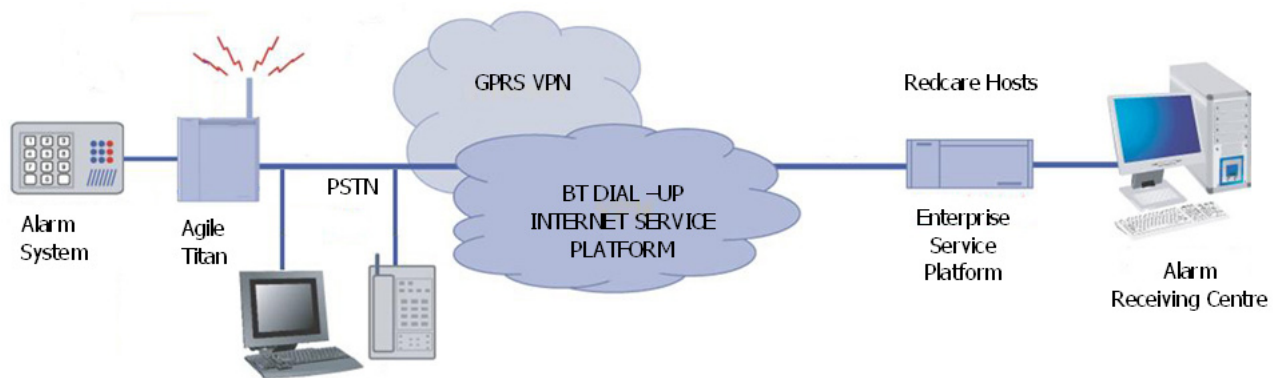# BT Redcare Agile PSTN

Technical product information sheet

BT Redcare Agile PSTN is a dual path PSTN & GPRS high-security signalling service. Both security signalling paths are regularly monitored and with rapid alarm transmission ensure compliance to the highest alarm security alarm standards. Both PSTN landline connection and the GPRS service are implemented with a highly secure VPN. The Agile Titan communicator supports a range of interfaces to intruder alarm systems including dial-capture and classic alarm PIN connection.

The service is delivered by our Enterprise Service Platform hosted in BT Redcare's highly secure, highly robust dual location Host Sites. The alarm signalling service to our Alarm Receiving Centres is via our resilient core IP network situated throughout BT's UK exchange network.

Signalling

- Primary Path: Wireless connection via always-on VPN over GPRS
- Secondary Path: Landline Signalling via VPN dial-up session on any type of PSTN connection including ISDN (POTS Port) and other telco networks.
- Dual band (900/1800 MHz)
- Full landline PSTN polling to EN Grade 2 with 24 hour calling regime into the BT Redcare platform
- GPRS polling to EN Grade 3
- Alarm messages and polling are highly encrypted to EN Grade 4
- Software and Firmware Anti-substitution measures to EN Grade 4
- Host generated event end-to-end alarm acknowledgement from ARC to alarm panel
- Alarm panel connection monitoring for Dial Capture
- Self reporting of unit and service faults
- Fully integrated with BT Redcare ARC Gateway used by our leading Alarm Receiving Centres

Management Features

- Remote testing, polling, status and configuration via BT Redcare security protocol
- Simplified installation and service activation
- Remote software download via GPRS (Redcare controlled)

Alarm Panel interfaces

- Dial-capture – phone line simulation
- Sixteen PINs

Titan Communicator Unit

- Optional mounting in secure wall mounted enclosure or within alarm panel
- GSM antenna connection MMCX
- Simple two wire connection to PSTN line – no block or exchange work required.
- Secure, high performance aerial included
- Ambient temperature: -5oC (23F) to +55oC (131F)
- Humidity: 5% to 95%

BT Redcare

Power

- Nominal 12 Volt DC input (9.5 V to 30 V)
- Screw terminals
- Low battery alarm reporting to ARC
- Average current 450 mA, peak 750 mA

General Purpose Inputs and Outputs

- 16 general purpose alarm inputs
  - Logic High = +3.5V to +30V
  - Logic Low = -0.5V to +0.8V
- Unconnected state: Logic Low
- Screw terminals
- Line Fault Output
  - for status indication at site of alarm signalling paths
- Return Path Signalling
  - for confirmation at site of opening and closing
- Control Output
  - for remote control of devices at site

Dial–Capture Features

- Converts dialler alarm systems into high security signalling devices
- Alarm Panel interface supporting:
  - Ademco ContactID
  - Ademco Hi Speed
  - Ademco 4+1
  - Ademco 4+2
  - SIA 1/2/3

Polling

- EN Security Standards to Grade 2 PSTN
- EN Security Standards to Grade 3 GPRS
- All communications links monitored and reported to the ARC

Reporting Time

- GPRS Primary Path operates to EN4 ATS T3
- PSTN Secondary Path operates to EN ATS T2

Status Indicators

- Wireline Up
- Wireless Up
- Wireless signal strength indicators
- Power

Physical Dimensions

Size = 168 x 115 x 36 mm
Mass = 500 g

Configuration

- DTMF via phone handset
- Alarm PIN self learning

Shipped with

- Adhesive pads
- Antenna

Warranty

- Titan communicator has a 2 year warranty

Standards Compliance

The Titan communicator and Agile PSTN Service comply with the following:

- PD6662: 2004 Scheme for EN Standards in I&HAS.
- EN50131-1: Alarm systems. Intrusion systems. General requirements to Grade 2
- EN Security Standards Environmental Class II
- Compliant for interface to fire alarm panels
- BT 21CN Compliant
- REN Value 0.1

To find out more about how BT Redcare can protect your business,

call us free on 0800 800 828 or visit our website at www.redcare.bt.com

Offices Worldwide