



redcare

assure

redcare assure is an alarm transmission system (ATS), encompassing the whole of the alarm transmission network from the customers' premises to the Alarm Receiving Centre (ARC), via a highly secure, robust and fully duplicated **redcare** managed network with host control rooms constructed and managed to BS5979.

redcare assure meets the challenging requirements of BRE/LPCB LP1277 Issue 2.2 standard for Fire and Security dual-path alarm signalling systems, integrated with video surveillance technology.

It combines the benefits of i) a Broadband primary path with a GPRS secondary path suitable for sequential alarm verification, with ii) video technology for remote visual monitoring and event based recording, all in an integrated single cost effective IP solution.

The entire network is fully managed and monitored, with **redcare** taking responsibility for the end-to-end delivery of alarm signals to the ARC.

redcare assure provides confidence to business users that their people, property and processes are under a watchful eye:

Key benefits and features

- Protects people and businesses around the clock
- Authorised users can view their premises at any time through secure remote access to recorded and real-time video images
- Full alarm log reporting available online
- Multi- channel video capability facilitates viewing of multiple locations

redcare assure

redcare assure delivers intruder alarms, fire alarms, personal attack alarms and video over a secure, managed, end to end network.

Broadband based system using “always on” packet switched Virtual Private Network (VPN).

Compatible with copper and fibre networks – Future proof!

Delivers sequential alarms over a primary IP network path and a secondary BT Mobile GPRS path – simultaneously.

Continuously monitors both paths

- to meet EN50131 ATS 5 on the primary landline path
- to meet EN50131 ATS 4 on the secondary wireless path
- the secondary steps up to ATS 5 if the primary path is lost*

All **redcare assure** alarms delivered over existing secure **redcare** links to ARCs that meet the requirements of **redcare**.

Packet prioritisation of the **assure** service through the **star** (Secure Premises Transceiver) ensures alarms are not blocked by other services using the **star**.

Interface to the CIE is via SIA 1/2/3, Contact ID or Fast format. **redcare assure** complies with the additional robust requirements of EN54-21 for fire alarm routing devices.

*Subject to GPRS performance.

FULLY INTEGRATED Broadband modem/router and alarm signalling unit:

- dedicated back-up battery supply to ensure security is not reliant on, or vulnerable to, power supply failure of on site IT or communications equipment.
- integrates with the client’s IT environment to enable connection to the internet and other services while securing the alarm channel as required by fire and security alarm signalling installation standards.

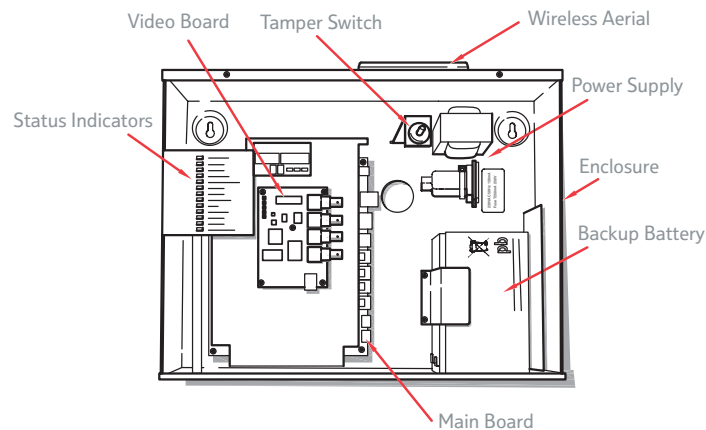
SEPARATE end user and security signalling firewall:

- ensuring signalling priority for alarms
- configured securely to protect against end user error or misuse disrupting fire or security signalling

Managed hardware including maintenance with remote diagnostics for rapid fault resolution.

Signalling protocol is secure – all alarms are sent as encrypted and authenticated data transmission over both paths.

redcare assure star Secure Premises Transceiver



Specifications redcare assure star

The **star** is a single unit, providing:

- ADSL modem – landline primary path and Broadband internet access for one or many computers*
- GPRS modem and aerial - wireless secondary path
- Fully featured firewall and router
- Alarm panel to **star** link monitored
- SIA 1/2/3, Contact ID and Fast format
- 8 General Purpose Inputs / 2 General Purpose Outputs

- Low cost connection to multiple video cameras – 4 or 8 Channel options
- Tamper resistant housing
- Power supply and battery back up to PD6662 and EN54 requirements
- Secure web based access to video and **star** functions
- Multiple **star** bypass modes enabling remote diagnostics of CIE

* Broadband service charges not included

Compliance with Industry requirements:

Related Standards

The BT redcare system is a fully managed end-to-end alarm transmission system (ATS) compliant with the latest requirements of EN50131-1: 2006 (Security Grade 4*, Environmental class 2). EN50136-1-1: 1998, EN50136-2-1:1998 and EN50136-2-2: 1998 and EN54 22 and where appropriate meets the requirements of PD6662 2004.

*For use in Grade 4 applications in a suitable enclosure

Independently accredited by the BRE* to LP1277 Issue 2.2

*the UK national product approval body for fire and security equipment as encouraged by regulators, insurers and the fire and security industry to insure high product standards.

CE Marking Directive

redcare assure complies with the following European directives:- 73/23/EEC (Low Voltage Directives) by compliance with safety specifications:- EN60950 User Safety 89/336/EEC (Electro Magnetic Compatibility Directive) as amended by 92/31/EEC by compliance with

EMC specifications:- EN55022 Emissions Class B EN50130- 4 Immunity 99/5/EEC (Radio and Telecommunications Terminal Equipment Directive) EN50131-1: 2004 (Security Grade 4*, Environmental class 2).

*For use in Grade 4 applications in a suitable enclosure

Power Supply

PD6662 (security) and EN54 (Fire) requirements

Network

Packet switched network (IP) with GPRS. “Always on” fully managed end to end Virtual Private Network.

Fault reporting times

Primary ATS 5, and secondary ATS 4, becoming ATS 5 upon loss of primary path.

Alarm transmission route

Over both paths (simultaneous)

Environmental Class II

Grade 4 signalling

NB Owners and operators are responsible for ensuring that the deployment of video supervision complies with the requirements for decency and the widely available guidance for compliance with the data protection act for video surveillance systems.

redcare assure

Providing peace of mind
even when you're not there.

redcare assure is designed to give confidence that your people and property are under a watchful eye at all times.

Key benefits to the business user

- Enables monitoring of opening/closing activity
- Secure remote monitoring of internal security and business operations via the internet
- Managing the security environment via secure web transmission
- Keeping an eye on customers and staffing levels
- Gathering useful information for training and marketing
- Confirming premises are safe before entering
- Demonstrating “duty of care” by monitoring lone workers

- Controlling and confirming out of hours deliveries and visits
- Reducing loss from internal theft
- Deterrent to in-house crime, vandalism and burglary.

BT redcare is the UK's market leader in secure remote signalling applications that protect people and the things they care for.

Our strength lies in the combination of our technical expertise in remote signalling and our commitment to exacting standards. In an uncertain world, it is this powerful combination that has led **redcare** signalling to be endorsed by all major insurance companies.



Offices Worldwide

The telecommunications services described in this publication are subject to availability and may be modified from time to time. Services and equipment are provided subject to British Telecommunications plc's respective standard conditions of contract. Nothing in this publication forms any part of any contract.

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