

redcare classic

Technical product information

Redcare Classic provides continuous monitoring of a BT telephone line that links a professionally installed alarm system on a customer's premises to an Alarm Receiving Centre (ARC).

Highlights:

- There are no call charges to pay for the signals sent over the landline
- There is no additional cost for a new landline. Redcare Classic will work on an existing BT landline or broadband connection, even if the line is busy
- Redcare Classic is compliant with British and European Standards for intruder alarms
- Redcare Classic is fully compliant and is able to send confirmed intruder signals
- Continuous monitoring and fast alarm signalling using Redcare's non dialling technology
- Alarm signalling even when the line is in use
- No broadband filter required when connected on broadband line
- Fully compatible with BT's Fibre To The Cabinet Network

Products	Classic 5th Generation STU and Fire STU
PSTN path working and it fails: fault reporting	40 seconds
Continuous monitoring using Low Tone?	Yes
Polling frequency	2 minutes
Signalling encryption	Redcare proprietary signalling
EN GRADE	4
ATS VALUE	5

Signalling details

- Landline signalling via non dial up BT PSTN connection
- Continuously monitored transmission path using low tones
- Alarm messages and polling are highly encrypted to EN Grade 4 using Redcare proprietary encryption
- Software and firmware anti-substitution measures to EN Grade 4
- End-to-end alarm acknowledgement from ARC to STU.
- Unit and service faults are self-reported
- Full integration with Redcare ARC Gateway

Management features

- Remote testing, polling, status and configuration as per Redcare protocol
- Simplified installation and service activation

Alarm panel interface

- Parallel inputs (pins)

About the 5G Classic unit

- Optional mounting in secure wall fitting or within alarm panel
- Simple two wire connection to PSTN line
- Ambient temperature: +5°C (41F) to +40°C (104F)

Power specifications:

Voltage:

5G STU 10V DC to 15V DC
5G Fire STU 20V DC to 28V DC

Current:

5G STU 80mA
5G Fire STU 80mA

Ripple/noise:

200mV p-p max for all units

Low battery threshold:

5G STU 10.8V +/- 0.2V
5G Fire STU 20V +/- 0.2V

- Low battery alarm reporting to ARC

5G General purpose inputs and outputs

- 5G Classic-Thirteen Inputs (Eleven general purpose alarm inputs)
- 5G Fire Three general purpose Inputs (Logic High = +3.5V to +30V / Logic Low = -0.5V to +2.5V)
- 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 site devices

Status indicators

- 5G via 8 segment LEDs

Size and weight of unit

- 5G 168 x 115 x 36mm, 230g

Configuration

- 5G Via Learn function
- No NVM Chip Required 2 button on board programming

Warranty

- The 5G unit has a 60 month warranty

Compliance

- PD6662: 2004 scheme for EN standards in I&HAS
- EN50131-1: Alarm systems. Intrusion systems
- EN security standards. Environmental Class I
- REN value 1

To find out more about our Classic portfolio, please call us on **0800 800 628**, email redcare@bt.com, or visit our website at www.redcare.bt.com



Offices worldwide

The 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. © British Telecommunications plc 2011. Registered office: 81 Newgate Street, London EC1A 7AJ. Registered in England No. 1800000
PHME 62088 Designed by Howell Wong Costello