

# 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

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To find out more about our Classic portfolio, please call us on **0800 800 628**, email [redcare@bt.com](mailto:redcare@bt.com), or visit our website at [www.redcare.bt.com](http://www.redcare.bt.com)



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