

Redcare Classic

Technical product information

Redcare Classic is the most widely used grade 4 alarm signalling system in the UK today. It uses BT's trusted network as well as its unique signalling service to provide security, reliability and peace of mind.

Redcare Classic is a single path system that works on an existing phone line and is ideal for locations where mobile coverage isn't available.



LPS 1277: Issue 3
Cert No. 1270a
Cert No. 1270b

Key features

Continuous monitoring of a phone line

This ensures that a line fault or line cut affecting the Redcare Classic service is reported to the ARC in 40 seconds.

No additional set up or installation costs

Redcare Classic works on an existing phone line (BT phone lines as well as those provided by BT Openreach and other Communication Service Providers) or broadband connection (including BT Infinity) without the need for a broadband filter.

No extra call costs

No added charges are applied for communication between the alarm and the BT Redcare Network.

Alarm signalling even if the phone line is busy

Redcare Classic doesn't need a dedicated phone line.

Regulatory compliance

Redcare Classic is compliant with British and European Standards for grade 4 (ATS 5) alarm signalling and BS EN 54-21 Type 1 for alarm signalling with fire detection systems.

Round-the-clock support

You will be backed up by our helpdesk and UK-wide engineering team so help is on hand 24/7, 365 days a year.

Third-party certification

Redcare Classic has crucial third-party certification for Alarm Transmission Systems (ATS) and for alarm signalling with fire detection systems.

Redcare Classic and Redcare Fire	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
LPS 1277 3.0 certification - Redcare Classic	Cert No. 1270a
LPS 1277 3.0 certification - Redcare Classic for Fire	Cert No. 1270b

Signalling details

- Redcare Classic has third-party certification to Loss Prevention Standard LPS 1277 for Alarm Transmission Systems (ATS).
- Redcare Classic Fire STU is certified to LPS 1277 v3.0 and is tested to ensure it is compliant to BS EN 54-21 Type 1 for fire alarm transmission and fault warning routing equipment
- Phone line 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 BT 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 BT Redcare ARC Gateway

Management features

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

Alarm panel interfaces

- Parallel inputs (pins)

About the 5G Redcare 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 8 and 11 Pin 10V DC to 15V DC
5G Fire STU 20V DC to 28V DC

Current:

5G STU 8 and 11 Pin 80mA
5G Fire STU 80mA

Ripple/noise:

200mV p-p max for all units

Low Battery Threshold:

5G STU 8 and 11 Pin 10.8V +/- 0.2V
5G Fire STU 20V +/- 0.2V

- Low battery alarm reporting to ARC

5G General purpose inputs and outputs

- 5G Classic-8 Pin - Eight Inputs
- 5G Classic-11 Pin -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

- Certified to LPS 1277 3.0 for Redcare Classic stu and Redcare Classic Fire stu. See table overleaf for more information.
- PD6662: 2010 scheme for EN standards in I&HAS
- EN50131-1: Alarm systems. Intrusion systems
- BS EN 54-21 Type 1: Fire alarm transmission and fault warning routing equipment
- EN security standards. Environmental Class I
- REN value 1



Offices worldwide

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To find out more about Redcare Classic:

call us free on **0800 800 628***

email redcare@bt.com or visit us at www.redcare.bt.com

* Calls are free to this number from BT landlines and BT payphones. However, they are not free to call from mobile phones - the costs will vary between service providers.