redcare GSM

Technical product information

Redcare GSM 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). It also provides dual path monitoring via GSM using O2's mobile phone network.

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 GSM will work on an existing BT landline or broadband connection, even if the line is busy
- Redcare GSM is compliant with British and European Standards for intruder alarms
- Redcare GSM 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	
Both paths working, PSTN path fail: fault reporting	40 seconds
Both paths working, radio path fails: pin 8 fault reporting	3 minutes
Only radio path working and it fails: fault reporting	3 minutes
Only PSTN path working and it fails: fault reporting	40 seconds
Both paths fail simultaneously: 1st fault reporting	40 seconds
Both paths fail simultaneously: 2nd fault reporting	3 minutes 40 seconds
Continuous monitoring using Low Tone?	Yes

Polling frequency	2 minutes
Signalling encryption	Redcare proprietary signalling
GSM availability	99.95%
GSM frequency	900/1800Mhz
EN GRADE	4
ATS VALUE PRIMARY	5
ATS VALUE SECONDARY	4

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 GSM 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:
10V DC to 15V DC

Current:
Average 160mA mean
Peak 350mA

Ripple/noise:
200mV p-p max

Low Battery Threshold:
10.8V +/- 0.2V

- Screw terminals or plugged in
- Low battery alarm reporting to ARC

General purpose inputs and outputs

- Ten general purpose alarm inputs plus tamper and AC fail. (Logic High =+3.5V to +30V/Logic Low = -0.5V to +0.8V)
- Unconnected state: Logic Low
- Screw terminals or via plug in moles connectors
- 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
- BSIA F175 enabled

Status indicators

- via 7 LED's

Size and weight of unit

- 168 x 115 x 36mm, 360g

Configuration

- Via "pin learn" feature

Warranty

- The GSM 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 GSM portfolio, please call us on ***0808 1000 216**, email **redcare@bt.com**, or visit our website at **www.redcare.bt.com**

* BT calls charged to 0808 numbers will be no higher than calls to 01 or 02 numbers.

Offices worldwide

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