



# redcare

## gsm

**redcare gsm** combines a secure **redcare** landline connection with a GSM radio backup path. In an event of a line cut it enables alarm systems to be monitored by the radio path. If the BT landline fails, the Alarm Receiving Centre will receive a communication failure message. The GSM path will continue to communicate with the Alarm Receiving Centre, sending any subsequent alarms prompting the Alarm Receiving Centre to alert the emergency services.

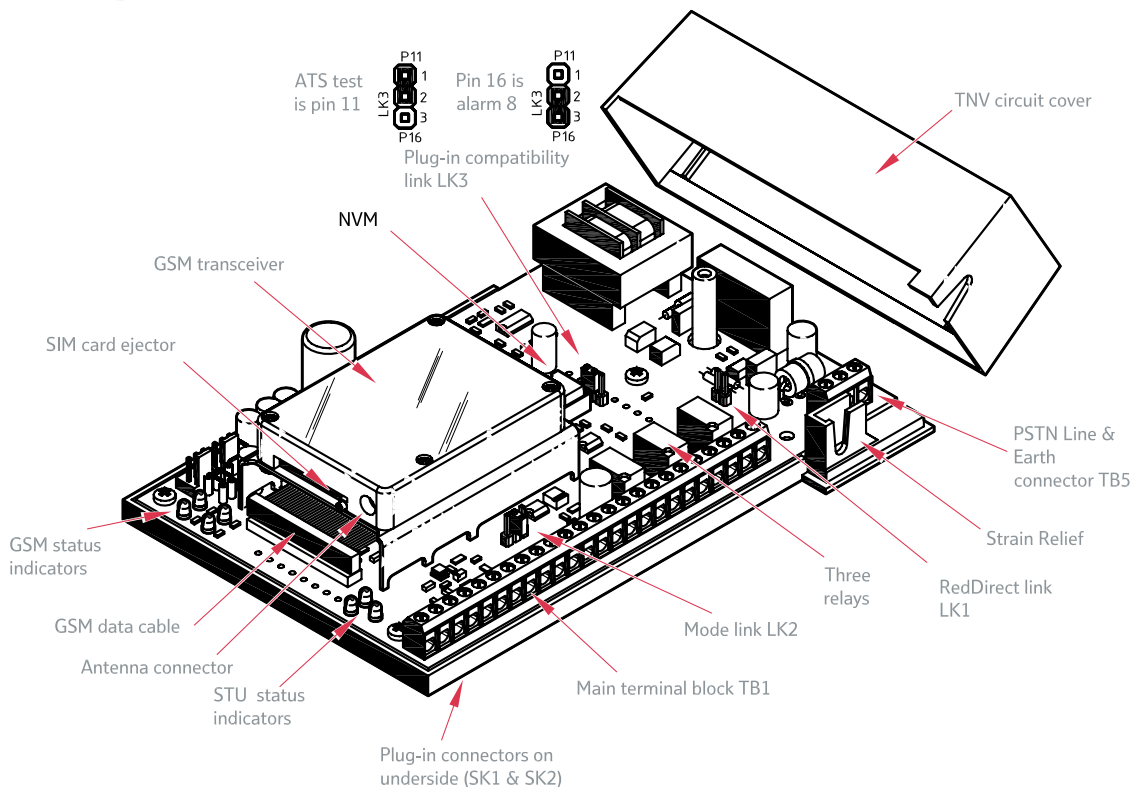
### Key benefits and features

- **redcare gsm** has a separate landline and radio path. If for any reason one is interrupted or fails the alarm receiving centre is informed whilst the other path continues to monitor.
- There are no call charges to pay for on the signals sent to the landline or radio path.
- 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 and fire alarm signalling up to Grade 4.

\*Lines sharing with data devices such as fax or modems may require a connection of a **redcare mcd** (Modem Compatible Device). A **redcare mcd** allows **redcare** signalling and data transmission on the same BT phone line or broadband connection. Users may experience a slight reduction in their internet connection speed.

...always there

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## Specifications redcare GSM EV STU

### Pin alarm inputs:

Logic High = +3.5 V to +30 V  
Logic Low = -0.5 V to +0.8 V

### Logic level outputs: (on sockets SK1 and SK2)

Logic High = 3.8 V @ 560 iA max  
Logic Low = 0.4 V @ 280 iA max

These voltages are with respect to the 0V terminal on TB1

### Relay contacts:

30 V, 1 A Max

### Physical:

Size = 168 x 115 x 36 mm  
Mass = 360 g

### Environmental:

Operating ambient temperature +5° C to +40° C

## Power supply requirements:

### Voltage:

10 V DC to 15 V DC

### Current:

350 mA peak @12 V DC  
(Required rating of power supply)

160 mA mean @12 V DC  
(For standby battery capacity)

### Ripple/noise:

200 mV p-p max.

### Low battery threshold (detected by GSM STU EV):

10.8 V ± 0.2 V

For a full installation guide please refer to the **BT redcare** website:

[www.redcare.bt.com](http://www.redcare.bt.com)

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