

BT Redcare Classic Technical Datasheet

BT 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).

Great For:

Protection against intrusion for your business premises or high value home.

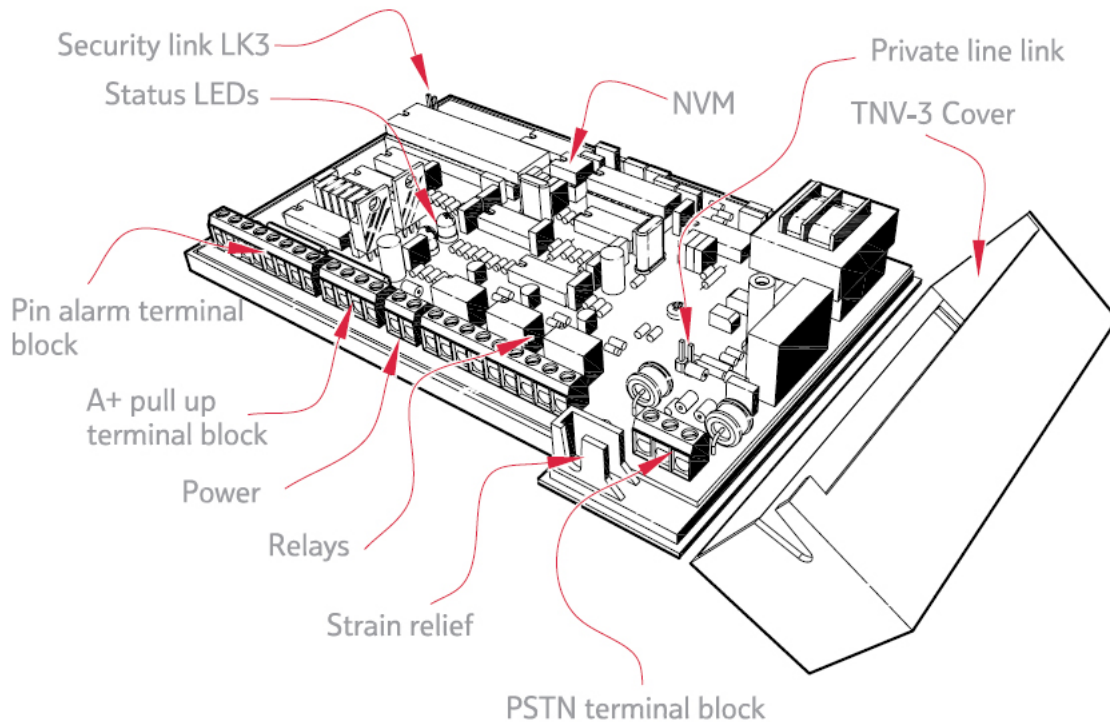
Highlights:

- There are no call charges to pay for the signals sent over the landline.
- There is no additional cost for a new landline, BT Redcare Classic will work on an existing BT landline or broadband connection, even if the line is busy.*
- BT Redcare Classic is compliant with British and European Standards for intruder
- BT Redcare Classic is listed and approved by the LPCB.
- BT Redcare Classic is fully standards compliant and is able to send confirmed intruder signals.

Specification:

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 μ A max
Logic Low	0.4 V @ 280 μ A max
These voltages are with respect to the 0V terminal on TB3	
Relay contacts:	
30 V, 1 A Max	
Physical	
Size	168 x 115 x 36 mm
Mass:	250 g
Environmental	
Operating ambient temperature	+5° C to +40° C
Ring Equivalence Number (REN)1	
3G STU-12V, 11Z STU	
Voltage	10 V DC to 15 V DC
Current	160 mA mean @12 V DC (For standby battery capacity)
Ripple/noise	200 mV p-p max (40 mA typical, all relays de-energised)
Low battery threshold (detected by 3G STU-12V)	10.8 V \pm 0.2 V
3G STU-24V, fire stu	
Voltage	20 V DC to 28 V DC
Current	160 mA max, (40 mA typ, all relays de-energised)
Ripple/Noise	200 mV p-p max
Low battery threshold (detected by 3G STU-24x)	22.2 V \pm 0.2 V

3G STU-PLI variant supply	
12V Supply Voltage	10 V DC to 15 V DC
12V Supply Current	80 mA typ
12V Supply Ripple/noise	200 mV p-p max
5V Supply Voltage	4.75 V DC to 5.25V DC
5V Supply Current	30 mA typ
5V Supply Ripple/noise	50 mV p-p max
Warranty	
Redcare 3G STU range (includes all variants except the 11Z STU and the GSM product range)	5 years warranty from the month end of the date of purchase.
Safety	
<p>The circuit board area, under the cover, is classed as a Telecommunication Network Voltage (TNV-3) circuit. All other interconnection points are classed as Safety Extra-Low Voltage (SELV) circuits. It is only necessary for this cover to be removed during installation of the PSTN wiring. The host alarm panel or box into which the STU is installed must provide a RESTRICTED ACCESS LOCATION and a FIRE ENCLOSURE in accordance with the requirements of BS EN 60950. It is essential that the STU is installed so that there is a gap of at least 5 mm between it and any other part of the host equipment (excluding the mounting face and plug-in connectors). If any part of the host apparatus uses or generates voltages in excess of 250 V rms or dc, obtain advice from a competent telecommunications safety engineer before you install the STU.</p>	



To find out more about BT Redcare Classic,
email: Redcare@bt.com
or call: 0800 800 828

Offices Worldwide

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Registered in England No: 1800000
Produced by BT Redcare
PHME: 55284