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Made In Britain

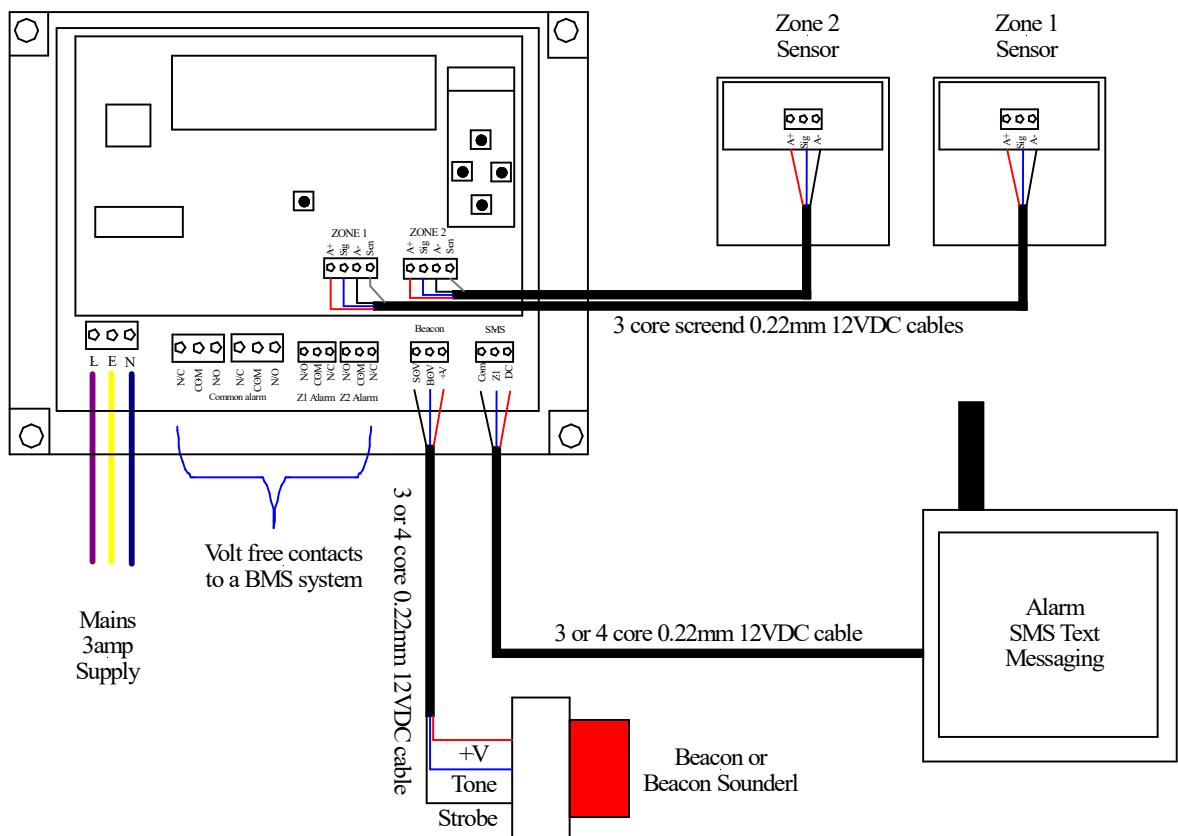# 1 and 2 Zone Room Over Temperature Alarm type RTA2-2

This unit has been designed to monitor critical areas such as server rooms, containers, generator rooms, UPS rooms, or cold rooms for over temperature due to faulty cooling plant or ventilation fan failure. The temperature in each area is monitored and compared to an alarm trigger setpoint that can be internally adjusted between -30 and 50°C for each zone. The current ambient temperature is displayed on the alpha numeric display along with the zone alarm status. When the room temperature exceeds the alarm setpoint, the display will flash showing the zone number, an internal audible waring will sound, the common alarm volt free contacts will change state, if fitted, the remote beacon/beacon sounder will start, and if fitted, the SMS text messaging/Email unit will send an alarm message via the mobile network. If power to the unit fails, the internal volt free "common Alarm" BMS contact will change state.

Standard Features

❋ **The unit can be supplied as a 1 or 2 zone system**
❋ **Remote temperature sensors up to 100m away from the main alarm unit**
❋ **Large back lit alpha numeric display**
❋ **Current ambient temperature display in each zone**
❋ **Individual tamper proof temperature alarm adjustment for each zone from 0 to 50°C**
❋ **Except for mains power, all terminals are of the plug and socket type**
❋ **On board audible warning device to alert local operators of a problem**
❋ **Alarms latched until Mute operated to give indication of temperature fluctuations**
❋ **Two common alarm relay contact for onward signalling to a BMS or other systems**
❋ **Mains Power monitoring via the Common alarm BMS contact**

Optional Equipment

❋ **Individual zone alarm relay contacts for onward signal to a BMS**
❋ **Common alarm output to a flashing Beacon**
❋ **Common alarm output to a flashing Beacon and Mutable Sounder**
❋ **SMS text messaging or Email**

Zone 2 Sensor Zone 1 Sensor

ZONE 1 ZONE 2

3 core screeed 0.22mm 12VDC cables

L E N

N/C COM N/O N/C COM N/O N/O COM N/C N/O COM N/C
Common alarm Z1 Alarm Z2 Alarm

Beacon SMS

Volt free contacts to a BMS system

Mains 3amp Supply

3 or 4 core 0.22mm 12VDC cable

3 or 4 core 0.22mm 12VDC cable

Alarm SMS Text Messaging

+V
Tone
Strobe

Beacon or Beacon Sounderl

Specification

Housing type	ABS Plastic
Colour	Light Grey
Size	180mm wide x 130mm high x 60mm deep
Mounting	Wall
Cable access	Bottom/back
Monitored temperature range	-30 to 50°C
Maximum sensors per zone	1
Accuracy	0.5°C plus or minus 1 digit
Maximum distance to sensor	25 metres
Sensor cabling	Overall screened 0.22mm 3 core
Sound Output	80db at 1 metre
Burden	<3VA
Input Voltage	96- 265VAC 50/60 Hz
Alarm unit temperature range	-20 to + 70°C
Common alarm contact	DPCO 1A @ 230VAC volt free contacts
Alarm unit IP Rating	IP50
Sensor IP rating	IP30
Optional Beacon	IP67 high intensity Red Flashing LED
Optional Sounder	IP67 110db at 1 metre
Optional SMS text	Maximum of 3 users

Continual development may result in products and specifications being changed without prior notice