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Made In Britain

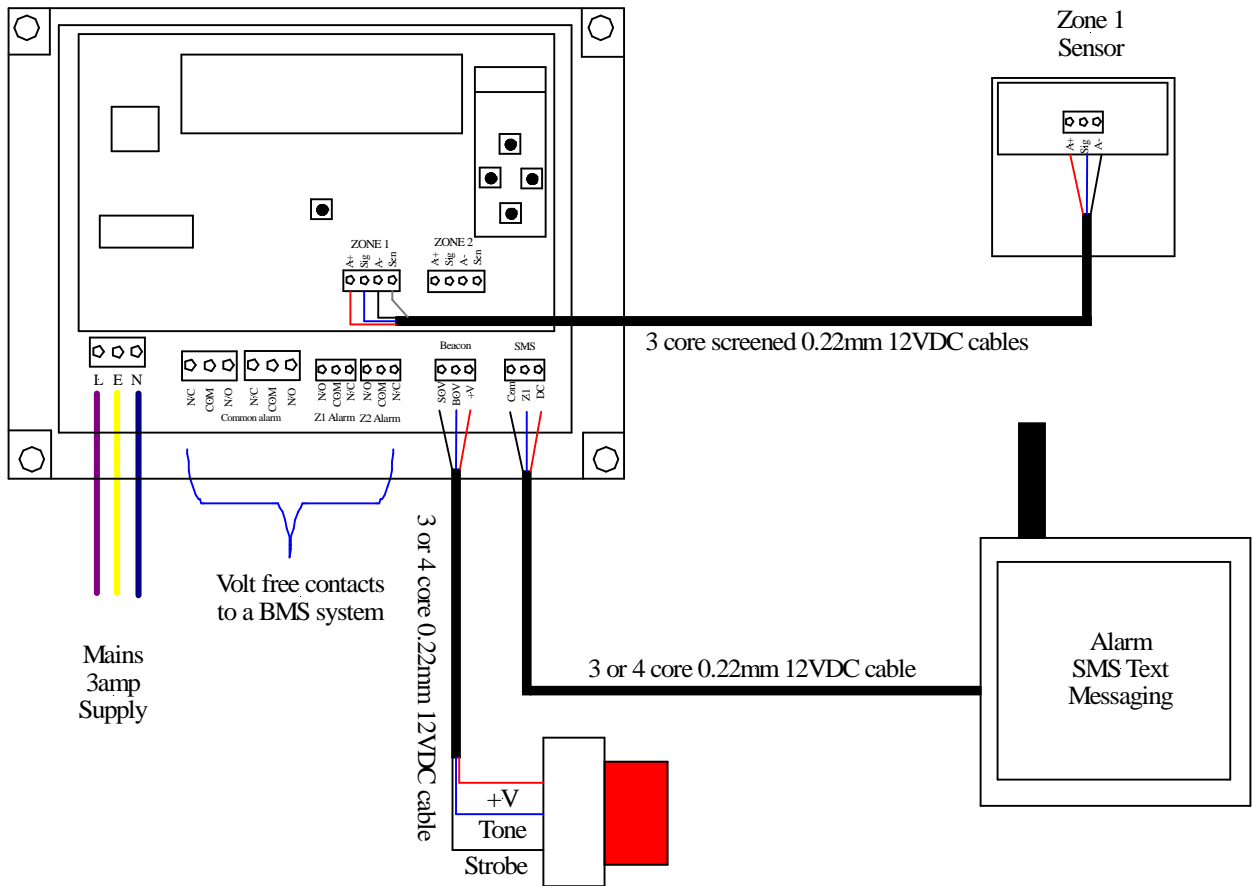# Room Under and Over Temperature Alarm type RTA-HL

This unit has been designed to monitor critical environments for both High and Low temperatures in areas such as blood banks, food storage rooms, storage containers, generator rooms, UPS rooms etc. This system monitors the ambient room temperature via a remote sensor and compares it to a high and low temperature alarm set point that can be adjusted internally between -50 and +50°C. The unit displays the current ambient temperature on its alpha numeric display, along with alarm status. When the room temperature exceeds either the high or low alarm set point, the display will flash showing the type of alarm (High or Low), an internal audible warning will sound, the common alarm volt free contacts will change state, and if fitted, the remote beacon/beacon sounder will start and 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" contact will change state.

Standard Features

✳ **Remote temperature sensors up to 100m away from the main alarm unit**
✳ **Large back lit alpha numeric display**
✳ **Current ambient temperature display**
✳ **Tamper proof high & low temperature alarm adjustment between -50 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**
✳ **Alarm 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

✳ **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 1
Sensor

ZONE 1
A+ Sig A- Sen

ZONE 2
A+ Sig A- Sen

3 core screened 0.22mm 12VDC cables

L E N

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

Beacon
AGS A6B

SMS
Com Z1 DC

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

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		-50 to +50°C
Maximum No. of sensors		1
Accuracy		0.5°C plus or minus 1 digit
Maximum distance to sensor		100 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		Up to 2 numbers using mobile network

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