



CMR Electrical Ltd
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Room Under and Over Temperature Alarm type RTA-HL



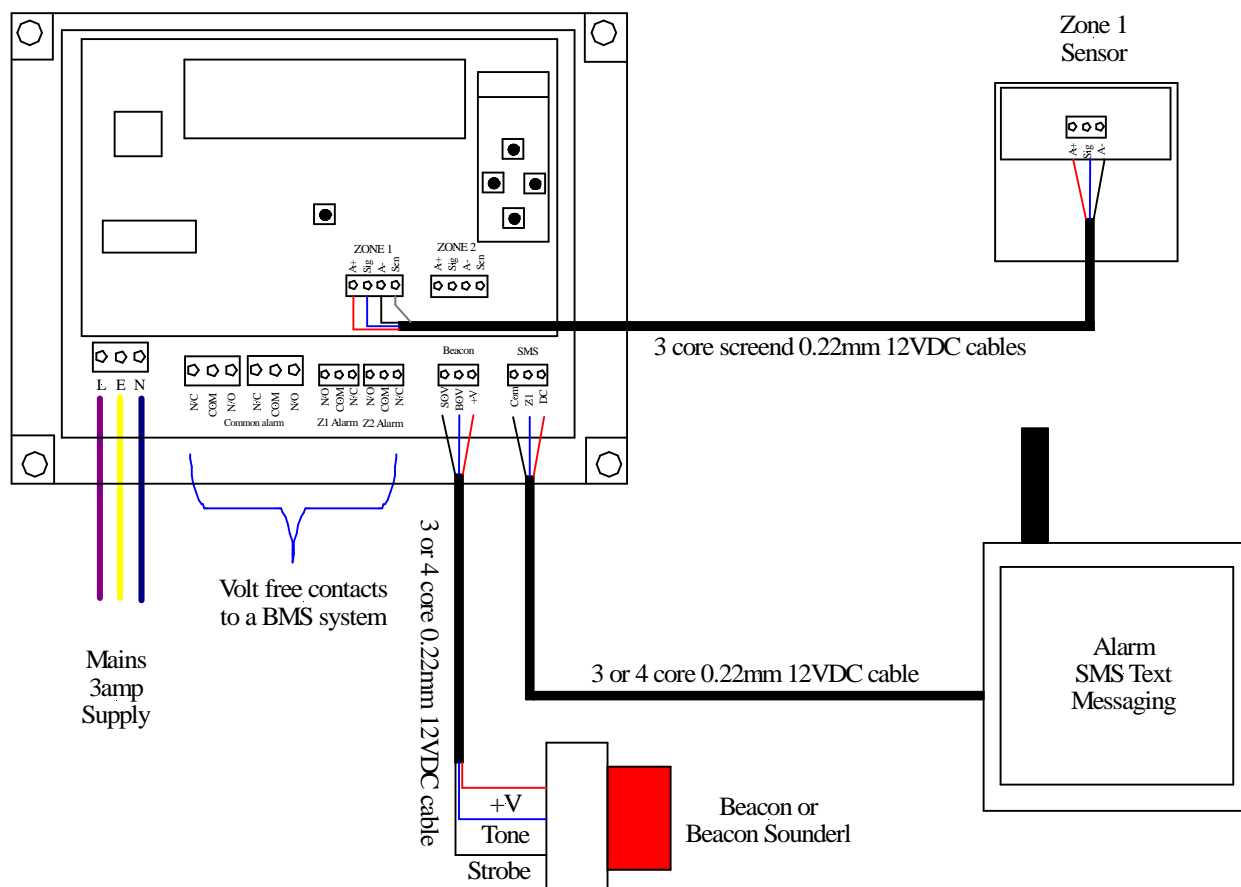
This unit has been designed to monitor critical environments for both high and low temperatures in areas such as blood banks, food storage rooms, storage containers, generator rooms and UPS rooms, for over or under temperatures due to faulty air conditioning plant. The temperature in the room is monitored and compared to a high and low alarm trigger setpoint that can be internally adjusted between 0 and 50°C. The current ambient temperature is displayed on the alpha numeric display along with alarm status. When the room temperature exceeds either the high or low alarm setpoint, the display will flash showing the type of alarm, an internal audible warning 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

- * **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 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**
- * **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**



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	0 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
<i>Optional</i> Beacon	IP67 high intensity Red Flashing LED
<i>Optional</i> Sounder	IP67 110db at 1 metre
<i>Optional</i> SMS text	Up to 50 numbers or email addresses using mobile network

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